RAILWAY AND COMMERCIAL GAZETTE.

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 803.---Vol. XXI.

LONDON, SATURDAY, JANUARY 11, 1851.

PRICE 6D.

FAIRFIELD WORKS, BOW, including the FIXED PLANT and MACHINERY. MESSRS. FULLER & HORSEY will SELL, BY AUCTION, netion Mart, on Thursday, the 30th January, at Twelve o'clock, in O erve, under an Order from the Court of Bankruptcy, and by direction and with concurrence of the Assignees of Messrs. Adams & Co., bankrup THE FAIRFIELD WORKS, AT BOW,

THE FAIRFIELD WORKS, AT BOW,
with all the valuable MaCHINERY. The premises are situate immediately adjoining
the junction of the Eastern Counties Railway with the Blackwall line, occupying a site of
nearly five acres, fitted in the most complete manner, with machinery of the best description by the first makers, and arranged expressly for the business of an engineer and
railway carriage builder, which has been carried on for several years on a large scale,
and for which purpose the buildings have been receted but a few years since in the most
substantial manner. The two principal factories measure each 293 feet in length, omnibus and private carriage factories, wheelwrights and fitters shops, saw-mill, and countings-houses. By the Birmingham and West India Dock Junction Railway, now nearly
completed, facilities will be afforded for transit on all the northern, eastern, and midland
lines; also a large plot of building ground, having a frontage of 363 feet next the Old
Ford-road; together forming an establishment which, for the business, is unrivalled in
the vicinity of London, the resources being equal to the complete construction of about
29 railway carriages per week. The supply of water is plentiful from a well 105 feet deep.
The access is essy, and communication with the City every quarter of an hour by means
of the Blackwall Railway.

the vicinity of London, the resources being equal to the complete construction of about 20 railway carriages per week. The supply of water is plentful from a well 105 feet deep. The access is easy, and communication with the City every quarter of an hour by means of the Blackwall Railway.

The promises are held on least for a term of 914 years from Christmas-day last, subject to a ground rent of \$60 per annum, with the option of purchasing the freehold at such a sum as would if invested in consolidated or reduced stock produce a yearly divi-

eer to a ground erie to 200 per annul, with the option of purchang the resolution arises a swould if invested in consolidated or reduced stock produce a yearly dividend of £58.

The works may be viewed by tickets.—Printed particulars, with plans, may be had of Messrs, Crowder and Maynard, solicitors, Coleman-street; and of H. H. Cannan, Esq., afficial assignee, Birchin-lane; at the mart: and, with cards to view, of Messrs. Fuller and Horsey, Billiter-street, City.

An inventory of the fixed machinery and plant, which is to be included in the purchase, will be exhibited at the sale, and may be previously inspected at the auctioneers' office.

TO RAILWAY COMPANIES, ENGINE BUILDERS, &c. —TO BE SOLD, SIX LOCOMOTIVE TENDERS, to contain 1200 gallous each six wrongiti-iron wheels, 3 feet 6 inches diameter, buffers and springs, and break to all the wheels; they are quite new, and may be had on extremely reasonables. The tyers and axles are of Bowling Iron.

pply to Waddington's Trustees' Railway Foundry, Bradford, Yorkshire.

RAILWAY COMPANIES .- FOR SALE, BY PRIVATE CONTRACT, TWO NEW first-class LOCOMOTIVE ENGINES and TENDERS, plinders 15 inches diameter, strokes 20 inches, crank axie, made cylinders, 18 inches om contre to centre of cylinders, to prevent oscillation; a cutside malleable iron framing. TWO PAIRS of 5 feet DEIVING WHEELS, coupled.

ONE FAIR of 4 feet BEARING WHEELS, in front—BOILER, 10 ft. long in the body. 189 2-inch BRASS TUBES, COPPER FIRE-BOX, and STAYS.

TENDER, 1000 gallons, with large coke space, on three pairs of 3-feet malleable iron heels, with double brakes.

We will be glad to treat with any company on liberal terms, and meet their wishes as mode and mammer of payments.—Applications to be addressed to Quarry Field Engine-Works, Gateshead.

JOHN COULTHARD & CO. 2.

FOR SALE, BY PRIVATE CONTRACT,-A 49-inch cylin-

PUMPING ENGINE, 8-feet stroke, equal_beam, with new condensing work, of 10 tons.—Price £690.
to cylinder PUMPING ENGINE, 9-feet stroke in the cylinder, and 8-feet in with boller, &c., 10 tons.—Price £550.
20-inch cylinder PUMPING ENGINE, of 4-feet stroke, equal beam, suitable g a small minc.—Price £100. r proving a small mine.—Price £100.
For further particulars apply to Capt. Evans, jun., Pool, Cornwall.

TO BE SOLD, the SEABROOK WORKS, upon the Birmingham Canal, at TIPTON, in the county of Stafford, consisting of a FORGE, HOOP, and SHEET MILL, driven by separate engines, of 50 and 30-horse power, with very extensive WAREHOUSES, WHARFS, and all necessary conveniences for carrying on a large trade. The above premises have recently had a considerable sum expended upon them, and are in excellent repair, and present a very favourable opportunity for any party wishing to embark in the Manufacturing of Tin-plates.

For further particulars apply to Mr. George Payton, Handsworth, near Birmingham,

EAD AND ANTIMONY SETTS TO BE DISPOSED OF,

delta within the parishes of ST. KEW and ST. MINVER, in the county of CORNWALL; one is in the neighbourhood of the Pengenna and Treburget Lead and Antimony Mine, and adjoins Wheal Sarah Lead Mine; the other, in the parish of St. Minver, is near the Pentire Glaze Lead Mine.

These setts are worthy the attention of mining capitalists; and for further particulars and terms, apply to Mr. E. Hitchens, Camelford, Cornwall.

MINING SETT.—A MINING SETT in the EAST of CORN-

WALL, of which several practical Miners and a Geologist have given favourable and satisfactory reports, is ready to be GRANTED on the usual mining conditions to any respectable parties having capital at hand to work it.

FIVE WELL-DEFINED LODES have been traced through the sett, and the immediate outlay to lay open the mine is estimated at a comparatively small amount.

Particulars may be obtained from Mr. Colling, solicitor, Okchampton, Devon, or Capt. John Penrose, of the Devon Great Tincroft Mine, at Moretonhampstead, Devon.

"S None need apply who have not the means at hand to go to work, and reference as to respectability and responsibility will be required.

EAST EDMONDSLEY COLLIERY.—TO BE SOLD, OR LET, the CURRENT-GOING COLLIERY of EAST EDMONDSLEY, in the county of DURHAM, containing 174 acres, or thereabouts, held under leases, of which about 30 years are unexpired. The coal has been sold in the markets as "Gibson's Wall'send" and "North Durham Wall'send." The purchaser or lessee will be required to take the engines, &c., at a valuation, which will be of small amount.

For further particulars apply to Mr. William Barkus, viewer, Lowfell, Gateahead.

TALUABLE MINERALS IN AYRSHIRE TO BE LET. The COAL, IRONSTONE, LIMESTONE, and FIRE-CLAY in the ESTATI
of GROUGAR, containing upwards of 2007 acres Scotch, or thereby, near the town of
KILMARNOCK. The COAL has been partially proved by a bore at the dip of the field, and
the seams cut are seven in number, as follows:

No. Feet. Inches.

Total....

Total....

Total....

Total....

The lowest seam, which is of very superior quality, is the only one of the above-noted oals that has been worked, and it was only worked in a shallow pit near the outerop.

The HRONSTONES, which are of excellent quality, and most abundant, are of the clay-sand kind. They are grouped, so as to be worked by mining; and a considerable work-sand kind. They are grouped, so as to be worked by mining; and a considerable work-sand kind. They are grouped, so as to be worked by mining; and a considerable working.

LIMESTONES, &c., similar to those above and below the Black-band fromstone, worked to Kilbirnie and shewhere of the control of the state, and there is every reason to believe hat a large extent of BLACK-BAND IRONSTONE will be found in it, and reasonable time will be allowed to prove by boring, searching, or otherwise.

LIMESTONE shounds in the property in posts, differing in thickness 6 feet and under, and extensive workings could be carried on a long time in these seams at little or no outless, from the fact of the different seams cropping out on the grounds.

This MINERAL FIELD is now favourably situated as regards railway communication, the Galston and Rewallis Branch being within a mile of it, so that these minerals may be (most profitably) manufactured on the catate, or conveyed by railway to the coast, and into the different iron-works of Ayr and Lanarkshire.

For particulars apply to C. D. Gairdner, or Robert Gairdner, bankers, Kilmarnock; or Alexander and Moore, mining engineers, 24, St. Vincent-place, Glasgow.

Mesers. GARDEN & MACANDREW 24, Dowgste-hill, London.

Mesers. JOHNSON, 166, Buchanau-street, Glasgow.

Applications for licenses and other information to be addressed to the uncarrent and Macandrew's, No. 34, Dowgste-hill.

ALFRED BARRETT,

UNDER BRITISH AND FOREIGN LT IRS PATENT, Manager.

UTCHISONISED STONE, BE CAS, &c.—TO LAND
PROPRIETORS, ENGINEERS, ARCHITECTS, &c.—The SOFTEST STONE,
HALK, GYPSUM, CLAY, SAID, &c., INDURATED AS HARD AS GRANITE—
Ill never vegetare nor disintegrate, being impervious to atmospheric action, &c.
Per all foundations, externia and internal Building, Decorative and Monumental Works, the HUTCHISOMISED MATERIALS are
sequalled for durability and low cost.—(Set Testimoridas and Prices.)
PASTEBOARD, SOFT WOOD, and other ABSOREENT MATERIALS, rendered
ATERPROOF, and imperianche from weather, vermin, &c.

LICENSES GRANVED ON LIBERAL TERMS.

Apply to Wat. HUTCHISON, Hugchisonised Stone Works, &c., Tundridge Wells, Kent.

MR. JAMES CROFTS, of 4, KING-STREET, CHEAPSIDE, MINING BROKER, in renewing OFFERS of SERVICE to CAPITALISTS, feels much gratified at the extent of patronage and confidence he has received hitherto, and will continue so to treat the interests of his feicheds in town and country as to deserve a still more important share of their orders, whether for PURCHASING or SELLING-MINING SHARES.—Mr. CROFTS acts exclusively for ranscreats, and will cheerfully give advice on contemplated investments, so far as his knowledge or judgment permits, either personally or by letter.

Numerous sound concerns may be astely invested in exclusive of dividual mines, but

on any of oy retrieved in a sound concerns may be safely invested in, exclusive of dividend mines, but with a cortainty, for some years, of 15 to 20 per cent. per annum interest.

Wheal Fortescue (20 shares)
Hennock (10 shares)
Tincroft (20 shares)
East Tamar (20 shares)
Wheal Harris (20 shares)
Wheal Termar

Lewis (10 shares)
Wellington (10 shares)
West Alfred (20 shares)
East Tolgus (5 shares)
Wheal Tremar

Nap Down Consols
Warleggan Con sols (20 shares)
Caorra Issues a Paice CURRENT of Mining Shares twice each week, which may on application. ed No. 4, King-street, Cheapside, January 10, 1851.

MINING, RAILWAY, AND AUCTION OFFICES.

Messrs. R. TREDINNICK & CO., in thanking their friends and the public for their stronage at the Sale of Mining and Railway Shares, on Wednesday last, hope, by atrict tention to the interest of all parties, to receive a continuance of their support. The NEXT SALE will be HELD on WEDNESDAY NEXT, the 16th day of January,

He SEAT Continued weekly.

Messrs. TREDINNICK & CO. request that all ORDERS of SHARES FOR SALE by FORWARDED to them not later than MONDAY, the 30th inst., so as to allow their insertion in the catalogues, issued on the day preceding their sale.

THE BRITISH ELECTRIC TELEGRAPH COMPANY

(Incorporated by 13 and 14 Victoria, cap. 86.)

Share capital authorised to be raised by the Act, 4000 shares, of £25 each.

Deposit £2 10s. per share. CENTRAL OFFICES-ROYAL EXCHANGE, LONDON.

JAMES SIMPSON, Esq., C.E., and V.P. Inst. Civ. Eng., Chairman.

J. C. COBBOLD, Esq., M.P.
W. GILBERTSON, Esq., C.E., W. W. PEARSON, Esq., M.A.
A HENDERSON, Esq., C. G. G. SCOTT. Esq., M.A., F.R.S.

Mr. GEORGE SAWARD.

Mr. GEORGE SAWARD.

Messrs. Barnett, Hoares, & Co., London | The Benk of Ireland, Dublin The Belfast Banking Company, Belfast.

Solicitoss.

England—Messrs. Bell, Steward, and Lloyd, 59, Lincoln's Inn-fields

Ireland—A. J. Macrory, Esq., 48, Rutland-square, Dublin, and Duncairn,

Messrs. Mullens, Marshall, and Daniell, Londo

The above Company possesses the most recent improvements in Electric Telegraphs at the same time is free from the burden of unproductive capital. and at the same time is free from the burden of unproductive capital.

In America, where the monopolising effects or a single company do not prevail, the felegraphic System has made gigantic strides, and, whilst largely benefiting the public, has handsomely remunerated the proprietors.

The British Company proposes to assimilate its charges to the American Tariff, and thus to call into existence the use of the Telegraph to an extent hitherto (owing to the heavy charges in this country) not contemplated by the public.

Considerable revenue will also arise from the sale of licenses, and from the application of the Telegraph to Gas and Water-Works, Fire and Police Establishments, Mines, Docks, &c.—The Act was obtained last session, when petitions in its favour were presented from

Considerable revenue will also after the send Police Establishments, Mines, Docks, the Telegraph to Gas and Water-Works, Fire and Police Establishments, Mines, Docks, ke.—The Act was obtained last session, when petitions in its favour were presented from nearly every important place in Great Britain.

The British Electric Telegraph Company is making arrangements with various Rall-way Companies for laying Wires to the most important towns in England, Scotland, and freland, and is in a position at once to commence active operations.

Applications for shares may be made to the solicitors; to the secretary; or to the ompany's brokers, Messrs. Mullens, Marshall, and Daniell, Lombard-street, London, Central Offices, London, January 10, 1831.

PROVISIONALLY REGISTERED.

RAILWAY CATTLE INSURANCE COMPANY—

(For the careful TRANSIT and PROTECTION from INJURY of CATTLE, &c.)

Capital \$20,000, in 4000 shares, of \$5 each.— Deposit \$1 per share.

APPLICATION for the SHARES remaining at the disposal of the Board, must be made on or before THURSDAY, the 23d of January.

Prospectuses (with forms of application attached) may be obtained at the Company's offices, 19, Essex-street, Strand.

By order of the Board,

JOHN & POLICIA ASS.

n attached) may be obtained at the Company's
By order of the Board,
JOHN K. DOUGLASS, Secretary

TIMBER PRESERVING COMPANY—PAYNE'S,
BOTTRELL'S, and MARGARY'S PATENTS.—The OFFICES of the ABOVE
GOMPANY are REMOVED from Whitehall Wharf, Cannon-row, Westminster, to No. 50,
KING WILLIAM-STREET, CITY.
By order,
R. C. DUKE, Secretary By order, R. C. DUKE, Secretary

ONSOLIDATED COPPER MINES OF COBRE ASSO-OIATION.—Notice is heroby given, that a HALF-YEARLY GENERAL HING of the proprietors of this Association will be HELD, in conformity with the Descenting of the Company, 28, Austinfriars, on Tuesday, the 28th daynary inst, at One Oclock precisely. On that day two directors -viz., Sir John Bart., and George Whitmore, Esq.; and one auditor, Francis Mills, Esq.—will go office by rotation, agreeably to the Deed of Settlement, but are immediately re-eligand are candidates for re-election.

and are candidates for re-election.

It is necessary that persons intending to offer themselves as Candidates for the Direction and Auditorship should leave Notice of such their intention with the Secretary, at the office of the Company, No. 26, Austinfriars, at least 14 clear days before the day of lelection.

By order of the Court of Directors,

26, Austinfriars, January 10, 1851.

WM. LECKIE, Secretary

INARES MINING ASSOCIATION.—Notice is hereby given, that the HALF-YEAR'S INTEREST, due the 15th inst., on the Preforence Shares in this Association, will be PAID at this office, on and after Thursday, the 16th inst., between the hours of Eleven and Three o'clock.

2. New Broad-street, Jan. 8, 1851.

MARMATO MINING COMPANY.—The FIRST HALF-YEARLY DIVIDEND of ONE POUND per share on the shares in AATO MINING COMPANY will be PAID at No. 13, Austinfriars, on and afte fJanuary next.

L. R. JONES, Se 13, Austinfriars, Dec. 30, 1850.

BRITISH MUTUAL GOLD MINING COMPANY.
REGISTERED PURSUANT TO ACT OF PARLIAMENT.
Right Hon. LORD ERSKINE. Chairman.
COUNT LOUIS DE MASSIAC, Deputy-Chairman.

Capital £50,000, in 50,000 shares, of £1 ea

Capital £30,000, in 50,000 shares, of £1 each.

ESTABLISHED for WORKING MINES in CALIFORNIA, upon the principle of the JOINT CO-OPERATION OF LABOUR AND CAPITAL.

The Miners employed by this Company, whose comforts and protection are assured upon the rules and conditions contained in the prospectus, are to participate with the shareholders in the profits of the wenture.

Shares to be paid on allotment—no calls or other responsibility whatever.

Applications for shares and prospectuses may be made at the Company's offices, No. 30, Great George-street, Westminster, where every information will be given.

Miners and others desirous of joining this Company on the terms of the prospectual may apply.—Prospectuses forwarded by post.

WHEAL ARTHUR—(CALSTOCK, CORNWALL).

The REPORTS of this MINE continue most FAVOURABLE, and Captain Spango says

"Every practical miner in this neighbourhood thinks this one of the best speculations in the district. As to may own opinion, I believe it will be one of the first mines in the neighbourhood that will declare a dividend."

Early application for the remaining shares is requested to be made to Mr. Fenton, No. 5. White Hart-court, Lombard-street, London; or to Mr. John Davies, No. 38, Tower-buildings, Liverpool.

THE WEATHER.

PROWN'S UNIVERSAL BAROMETER—Price 10s. 6d.—

Registered under the Act for Protection of Articles of Unitis,

An ELEGANT and PORTABLE INSTRUMENT, for Forotelling Atmospher Changes and Assertaining Elevations. Constructed on the Torricellina, or most correspirately, greatly simplified and improved, whilst the price is not a quarter that of a ordinary berrometer.—MANUFACTURED and SOLD by

L. P. CASELLA & CO., No. 33 HATTON GARDEN, LONDON,

By whom also the trade is supplied; and may be ordered of all opticions and mathemic tical instrument makers.

TICAL MANAGEMENT of an IRON WORK in one of the English counties at be fully competent to conduct the whole work, from the mouth of the pit to the dar, hoop, or sheet-iron. Satisfactory references will be required.—Address WATER-WHEEL WANTED.—WANTED, a WATER-

WANTED.—A respectable PARTY to undertake the PRAC-

WHEEL, 40 feet by 4 feet, with Iron Axie and best Norway Timber—in erespect substantially made.—Tenders, stating full particulars of price of the Wheel
its appendages, and in what time it may be rected and in work from the date of or
to be addressed to the "Secretary of the North Wheel Robert Mining Company," So
St. Helen's-place, London, on or before the 22d inst.—January 9, 1851.

WANTED,—A 60-inch cylinder PUMPING-ENGINE, for a MINE in CORNWALL; would have no objection purchasing an Engine and the Materials of a Mine, or an Engine by itself. A few inches in the cylinder either way would not be objected to.—Direct, stating full particulars, with price, to Mr. King, 23, Threadneedic-street, London.

WANTED,—A good SECOND-HAND STEAM-ENGINE, with 70 or 80-inch cylinder, and with 9-feet stroke in the shaft and 10-feet in the clinder, and two boilers—to be delivered on the mine, near Trure, Cornwall.

Address by letter, with full particulars, price, &c., to "P. P.," Mr. Thomas Levis.

17, New Meeting-street, High-street, Birmingham.

ENGINE WANTED.—A STEAM-ENGINE is WANTED for EAST WHEAL REETH MINE, in LELANT, CORNWALL, of from 20 to 30-inch cylinder.—Application, stating price and all particulars, may be made to Mr Fonton, 5, White Hart-court, Lombard-street, London; or to Mr. W. H. Gray, Rocks Mines, in St. Austell, Cornwall.

STEAM-ENGINE.—FOR SALE, a capital double cylinder
HIGH-PRESURE and CONDENSING STEAM-ENGINE, of 30-horse power, of
beam censtruction, well fitted, and in excellent condition. Also, the RAILING, STEPS,
and IRON FITTINGS, in connection, for the engine-house; with TWO CAST-IRON
HIGH-PRESSURE BOILERS, 30-horse power each, with tubes under, furnace fittings,
and all appurtenances complete. The whole is taken down, ready for removal.

OFFICES of these MINES are REMOVED to 23, THREADNEEDLE-STREET (opposite the Hall of Commerce), where shareholders can receive any information relative to the mines.—Office hours from Eleven till Four o'clock. EDW. KING, Sec.

MINING COMPANY OF WALES.—PROSPECTUSES,

containing REPORTS on the MINES and QUARRIES of the COMPANY, Terms
and Conditions for its Government, &c., may be had of ST. PIERRE FOLEY, Secretary,
to whom letters on the allotment of shares, and on the general business of the Company,
are to be addressed.—Offices, 24, Lincoln's Inn-fields, London.

TO MINE ADVENTURERS AND OTHER CAPITALISTS. MINE ADVENTURERS AND OTHER CAPITALISTS.

Mr. JOHN EARLE, MINE AGENT, MINE and SHARE BROKER,—
OFFICES, 57, FORE-STREET, and MORETON COTTAGE, REDRUTH, CORNWALL
(will be in attendance at the QUEEN'S HOTEL, ST. MAITIN'S-LE-GRAND, LONDON,
on Monday the 13th, Tuesday the 14th, and Wednesday the 15th ingt.—Hours of business from Eleven till Three o'clock).

References given of the highest respectability in London and Cornwall.

MINES INSPECTED.

WANTED,—A SECOND-HAND STEAM-ENGINE, 40-in. cylin., boilers, &c., complete.

31

S HARES are TO BE SOLD in the following MINES:— South Tamar
Botallack
Wheal Castle and Boswedden
West Wheal Jewel
West Wheal Jewel
West Wheal Treasury
Levant
Apply at the offices of Mr. B. P. Butten, I, Crown-court, Old Broad-street.

MINING AGENCY.—The SUBSCRIBERS respectfully in-Initiate, that their old and extensive CONNECTIONS afford them peculiar FACI-LITIES for EFFECTING SALES or PURCHASES of MINING SHARES with the utmost prompitiate, and upon the best possible terms. They also beg it to be distinctly understood, that considering it to be incompatible with their duties as agents to speculate upon their own account, they have determined to adhere exclusively to a legitimate commission business. Expansions 1839. JAMES S. TRIPP & CO., 2 Lombard-street Chambers, No. 33, Clement's-lane, City.

MINING PROPERTY.—BUSINESS transacted in every description of MINING PROPERTY, SHARES BOUGHT and SOLD, ADVICE GIVEN to PARTIES as to INVESTMENT, ADVANCES of MONEY MADE on this DESCRIPTION of PROPERTY, Statistics given on Mines, and the earliest information obtained from the mineral districts.—Apply to DURRANT & CO., Mining Sharebvokers, 58. Lombard-street.

MINING SHARES.—Mr. JOHN CREFT, No. 1, ROYAL EXCHANGE BUILDINGS, LONDON, OFFERS his SERVICES, ON COM-TISSION, to BUY and SELL MINING SHAKES, and will select for capitalists those rills the greatest chance of success, and take pleasure in furnishing a list of prices, to ether with all particulars.

MINING OFFICES,—48, THREADNEEDLE-STREET,
LONDON.—Messrs. THOS. FULLER & CO., beg respectfully to call the attention of CAPITALISTS to MINING, as being the most SAFE and PROFITABLE MEDIUM
OFINVESTMENT, and are in a position to BUY and SELL in all the DIVIDEND-PAYING
MINES, and have on hand several other Mines, which will insure to capitalists the most
safe investment, and will pay from 15 to 30 per cent.

MINING OFFICES, ST. MICHAEL'S CHAMBERS, ST. MICHAEL'S ALLEF, CORNHILL, LONDON.

Mr. R. TRIPP, MINING AGENT, has FOR SALE SHARES in most of the best DIVIDEND-PAYING MINES and others, which will pay the purchaser, at present prices, rough to to 3 per cent.

MINING.—COMPANIES of respectability REQUIRING
OFFICES and MANAGEMENT, or PARTIES WISHING to BRING OUT
MINES of PROMISE, may be ACCOMMODATED on application to Mr. Fenton, No. 5,
White Hart-court, Lombard-street.—Mr. FENTON has for DisPOSAL SHARES in the
following MINES:—Pentire Glaze, Whoal Arthur, East Wheal Roeth, Praed Consols,
Great Baddern, Wheal Oak, Warleggan Consols, Whoal Enys, &c.

MINES.—MOLYNEUX & CO., 6, FINSBURY-PLACE SOUTH, and 6, WEST-STREET, FINSBURY-GROUS, have SHARES FOR SALE in DIVIDEND-PAYING and OTHER MINES, which will nesure to capitalists the safest and most unexceptionable investment.—Office hours from Test to Five o'clock.

MR. JAMES STRIDE, formerly of the firm of Bulmer & Stride, Parliamentary Agents, and late of Spring Gardens, MINING SHARE DEALER and AGENT, begs to state that he now TRANSACTS MINING BUSINESS at the JAMAICA COPPES-HOUSE, CORNHILL, LONDON.

Considering the improving value of Mining Property, and the consequent increasing demand for Shares, Mr. Stride deems the present time favourable for offering his advice.

MR. W. BIRDSEY, MINING AGENT, begs to acquaint his Friends and the Public, that he has REMOVED to No. 1, ST. MICHAEL'S-ALLEY, CORNHILL, and takes this opportunity to thank them for the favours he has hitherto received. From an extensive experience in MINING PROPERTY, in which he has been engaged upwards of 20 years, Mr. Birdsey flatters himself he will be enabled to give much general information—he having personalty visited most of the mines in Cornali.—Mr. BiRDSEY trusts, by strict attention to the interests of those who may honour him with their confidence, to merit a continuance of their orders.

MR. JOHN DAVIES, MINING SHAREBROKER, MESSRS. BOXALL & CO., MINING SHARE DEALERS, 5, CROSBY HALL CHAMBERS, BISHOPSGATE-STREET,

RAILWAY SHARES-PUBLIC AUCTION. MESSRS. R. TREDINNICK & CO. beg to inform the public that they intend to SELL. BY PUBLIC AUCTION, every DESCRIPTION of MINING and RAILWAY PROPERTY; and that their NEXT SALE will be HELD on WEDNESDAY, January 18, 1851, at Twelve for One o'clock precisely, at their AUCTION ROOMS, RALL OF COMMERCE, THREADNEEDLE-STREET, LONDON, where calculates the previous day.—Orders for sale are respectfully requested to be sent on, or before Monday morning in each week, so that they may be inserted in the

ROUND, Party be obtained the previous us, to guess may be obtained the previous us, to sent on or before Monday morning in each week, so that they may be sent on or before Monday morning in each week, so that they may be extallogues. Mears, R. TREDINNICK & CO. beg to OFFER their SERVICES in the PURCHASE OF DISPOSAL of SHABES in MINES. With an extensive connection in the several mining districts, they will be happy to sequire and afford every information, connected intercential, and which may be at all times obtained on application at their offices.

Hall of Commerce, Dec. 29, 1890.

Transactions of Scientific Bodies.

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MEETINGS DURING THE ENSUING, WEEK,	85
	8 P.M
MONDAY Geographical 3, Waterice-place	8 P. B.
British Architects-16, Grosvenor-street	8 P.M
TUESDAY Horticultural-21, Regent-street	
Medical and Chirurgical—53, Berners-street · · · · · · · · ·	
	8 P.M
	7 P.M.
	8 P.M.
THURSDAY Royal - Somerset-house	
THURSDAY Royal Somerset-house	8 p.m.
SATURDAY Asiatic—5, New Burlington street	
Royal Botanic—Inner Circle, Regent's park	

Proceedings of Public Companies.

WATERFORD, WEXFORD, WICKLOW, AND DUBLIN RAILWAY.

**WATERFORD, WEXFORD, WICKLOW, AND DUBLIN RAILWAY.*

**A meeting of dissentient shareholders in the above company took place at the King's Head Tavern, Poultry, on Wednesday, the 5th inst.

The "associated shareholders" of the "3 W.'s Co." especially invite the attention of the independent shareholders of the "3 W.'s Co." especially invite the attention of the independent shareholders of the "South Wales Co.," holders of the principal part of their stock, to this report on the present position of affairs, and as showing the nocessity for their intervention, and an independent manugement.

1. In our reports of 1848 and 1849, we endeavoured to rouse the of their bacted analysis of their intervention, and an independent manugement.

1. In our reports of 1844 and 1849, we endeavoured to rouse the of their bacted analysis of their intervention, and an independent of their induces of the "Great Agacaholders to their true position and policy, and forested their induces of the "Great Agacaholders to their true position and policy, and forested their induces of the "Great Western" and gave their shareholders independent officials. Recent events show that the prophecy was true, and it is now an avowed fact that the "Great Western" desire to escape from that of-peleged guarantee.

2. The delusion of broad guage competition with the "Chester and Holyhead," for the Dublin traffic (by means of that mendacous speculation, the "3 W.'s Co.," and by the South Wales "Intervention, the "South Wales" in the on the faith of that delusion the Balway Commissioners for the "South Wales" was sanctioned by the Railway Commissioners for the "South Wales" and the real markets for the South Wales traffic (the Slidland and Northern Counties) are still cut off by the "co. copious great," and the great was an end of the state of the state

directors applied for powers to make the 3 W.'s line to Wicklow, which would have required alf the South Wales Company's contribution—but that was opposed and defeated. They seek, in 1851, the same continuance of the line and liabilities, yet propose to forego the "guarantee" which the South Wales Company, have, or ought to have, from the Great Western Company.

7. The existence of the "3 W.'s Company" is in the "South Wales Co.'s" hands—they hold half of its paid up capital, but unjovinuately the board of each contains the same ruling powers, and it is material to see how that has operated, and will operate.

8. Passing over what has been called the "fast and loose" play up to 1849, we confine ourselves to recent events. The "South Wales" board has passed resolutions that the "3 W.'s" should be wound up—the "3 W.'s" board now resolve to go on 1—The share holders desire to wind up and close their liabilities; their directors find it more convenient to themselves to say no. Their directors have given swriten piedges to the associated shareholders to wind up: they called for "requisitions" to dissolve, and promised to do so—by their undertakings of 3d June, and letters of June and July; yet the "South Wales" board would not sign the "requisition" to wind up, and the officials have influenced other shareholders not to do so, and thus defeated the general object of the shareholders. In their report of 31st August, 1850, the "3 W.'s" directors declared their instinction to yield to the general wish, and to "dissolve the 5 W.'s Co., under the recent Act. The "South Wales," beard can, at least, make the effort to which up under "the Railway darectors) advertise an application to Parliament to continue the line and liabilities, and refuse to call a meeting to dissolve the 3 W.'s Co., under the recent Act. The "South Wales," beard can, at least, make the effort to which up under "the Railway Abandomment Act"—why will it not try? Why resist the dissolution, which should be considered only in reference to the interests of

panies.—Charles D. Nash, Hon. Sec.

The Charles D. Nash, Hon. Sec.

The Charles As add, as they only met for the purpose of adjournment, he would not trouble them with any observations. Since they last met he had obtained copies of the bills which were intended to be carried into Parliament next session, in reference to this company. By the bill introduced by the directors of the Great Western, the South Wales, and the Waterford Companies, they proposed to continue the Waterford line to Wickiow, and to reduce the capital to 500,000k. The directors intended to expend 300,000k in making this, and 26,000k for a deviation, which made 335,000k. Already they had spent 180,000k, which brought them nearly to that amount, being altogether 475,000k. The estimated capital required for this new piece of the was 500,000k which was made out in spate of the various engagements to wind up the Waterford Company. In order to effect this, it was proposed to make a call of 104, per share on all the shareholders. (Hear, hear.) The Dundrum Company had brought in a bill to make a line from Dunters to the state of the various engagement as even in in into Dulblin, but it was, in his opinion. in spite of the various engagements to wind up the Waterford Company. In order to effect this, it was proposed to make a call of 104, per share on all the shareholders. (Hear, hear.) The Dundrum Company had brought in a bill to make a line from Dundrum to Bray, which would give them a second line into Dublin; but it was, in his opinion, a matter of great donbt if they would go on with that undertaking. Now, the shareholders of this company, as well as himself, wanted to engage the directors to wind up the Waterford, &c., Company, and for that purpose he had endeavoured to give effect to the written engagements of the directors. (Hear, hear.) This attempt he would oppose in Parliament, and he had no donbt he should succeed in the objections he should raise on the part of the shareholders. In the report he had circulated, it was stated that the South Wales Company had engaged to take 11,200 of the shares of this company off the hands of the directors, at the moment when they (the shareholders of the 3 W. 's Company, were preparing to dissolve that scheme. By getting hold of the majority of the shares, they had enabled the directors to continue the Waterford, &c., Company, instead of dissolving it, according to the wish of the shareholders. The South Wales Company were protected in this by the Great Western Company, which guaranteed them in respect to their advances to the Irish railway companies, so that, in point of fact, it was the Great Wastern Company that wished to continue the 3 W.'s Company, in spite of the shareholders. Now, it happened anfortunately for them that the same neu were directors of all these three railways; still be hoped their opposition would induce Parliament to do them that justice which they could not obtain from their own directors.

A Stransmorma asked, how the proceedings in the Boll's Court were going on?—The Cransman said, in reference to that, they had not yet got a decision, and be thought they could not look at the proceedings in the Boll's Court were going to the bacton.—Some ob

The CHARBEAN then submitted the following resolution, which was passed:—
That the further report regarding this company and the South Water Company,
the applications to Parliament to received and circulated; and that the insolvent a
of this company requires that the directors' pladges to dissolve it be carried into eff
Tastfurther steps be taken (by peritions and requisitions and other messes) for objective the property of the bills of the directors of the Great West
South Water, and Waterford, Warford, and Wicklow Companies, seeking to continue
scheme, and the liability of the remnant of shareholders for 300,000% and upwards, the
liability of the South Water and Great Western Companies thereto. That the act
associated shareholders take such steps for the purpose of benefiting the sharehold
as they think fit. The CHARBEAN then submitted the following resolution, which was passed :-

The meeting then separated.

COMPANIES PROCEEDING UNDER THE WINDING-UP ACT

WINDING-UP JOINT-STOCK COMPANIES.—Out of the 120 railway and joint-stock companies now being wound up by order of the Court of Chancery, upwards of 40 are almost entirely in a state of suspension, either from the parties petitioning neglecting to proceed, the solicitors having liens upon them declining to give up papers to the official managers without being paid their costs, or from the parties conducting the proceedings being bought off from prosecuting the enquiry. To meet this state of things, the 41st section of the Joint-Stock Companies Winding-up Act declares that, in default of due diligence in the prosecution of proceedings under the order, it shall be lawful upon application to the Master to commit the matter to any other contributory in the company, in the event of the original party not proceeding. Considerable delay in these proceedings generally is also occasioned by the present unsettled state of the law of liability in connection with joint-stock companies. Master Brougham has issued an order to the effect that all official managers of the companies he is winding up shall leave their accounts in his office to be passed and examined is winding up shall leave their accounts in his office to be passed and examin three times a year—viz., in January, June, and November.

THE IMPERIAL BANK OF ENGLAND .- Master Farrer has decided that the THE IMPERIAL BANK OF ENGLAND.—Master Farrer has decided that the executors of a transferee of shares in this company under somewhat peculiar circumstances should not be placed upon the list as liable to pay off the outstanding liabilities. It appeared that Richard Shepherd, of Warrington, saddler, who died in 1847, transferred some 30 shares in the bank to one Joseph Lawless, and for which the former signed the Deed of Settlement. Shepherd, however, was never virtually treated by the bank as a shareholder, having about two months after he held the shares transferred them to Lawless, who was a shareholder previously. No account was opened with Shepherd, and the calls were made upon, and the dividends paid to, the new proprietor, Lawless. There was no entry of Shepherd's name in the register, and the deed of the company by its 64th clause contained a provision that a party taking shares by transfer assumed all the liabilities attaching to them. This decision is, of course, amenable to that of the court above, vet to be made known non ancourse, amenable to that of the court above, yet to be made known upon peal on the general question of the liability of executors.

ROYAL BANK OF AUSTRALIA.-The first meetings to be held in the winding up of this company in the ensuing term will be with reference to the liability of the shareholders in respect to the large amount of debentures of the bank, which will be contested on the ground that the directors had no legal right to

St. George's Steam-Packet Company.—Messrs. Blood and Soulby, the official managers, have resigned their appointments, but Maries B. official managers, have resigned their appointments, but Master Farrer has in-timated his intention, should there be no opposition, of re-appointing Mr. Soulby official manager.

TONTINE LIFE ASSURANCE COMPANY .- Sir W. Horne has declared a call of 20s. per share, on those shareholders in the company who have not paid up the sum of 20s. per share on their respective shares, originally issued in connection with the company.

BRIGHTON, Lewes, AND TUNBRIDGE WELLS RAILWAY.—Reports having been circulated that the liabilities of this company are extremely heavy, Mr. H. J. Norris, the official manager, has by circular informed the contributories that the accounts of persons claiming to be creditors amount to about 4500*l.*, subject to taxation, and that a call of from 5s. to 6s. per share will be ample to cover the same, and also the expenses of winding up.

London and Southerd.—The list of contributories will be revised by Sir G. Rose, on the opening of the term, in conformity with the existing law of liability as laid down by the courts above.

IMPROVEMENTS IN WATER FILTERERS .- Among the numerous mechanical appliances for preserving in a pure and wholesome state, and thus rendering ssentially conducive to health the various aliments of our daily consumption, there is probably none of greater importance than those which parify the water which we are from circumstances compelled to drink, and generally understood under the name of filterers. The water at present supplied, not only in London but in most of our large towns, is drawn from impure and corrupt sources, and which often presents to our senses a filthy compound, mechanically charged with decomposed animal and vegetable matter, and which, when taken into the system, induces diseases often the precinsors of dangerous and fatal results. Although we cannot by filtration alter the chemical character of the water after adulteration, or restore its pristine purity, a perfect filterer, which intercepts every insoluble body mechanically held in the water, goes far to render such water perfectly wholesome, and prevent those serious evils which experience has proved do occur from the use of an impure water. Many descriptions have, at various times, been before the public, more or less applicable to the uses intended for, and the name applied to them; but certainly the most comcompact, portable, and effective water filterer we have yet seen is one just patented under the above title by Mr. James Forster, of Liverpool, and one which we should think must come into extensive, if not general, public use I toon sists of two hemispheres of iron, united at the flanges by screw bolts, and forming a perfect sphere. Within this globe is placed a second hollow sphere of Derbyshire silicious firestone, of exceedingly fine grain, and extremely porous. This sandstone hollow ball is turned in two hemispheres, 2 inch in substance, afterwards cemented together, and by a hollow porcelain screw pipe connected through the bottom of the metal cylinder with the supply tap. The water from the main, or pump, whichever may be preferred, is admitted through the top of the outer case, filling the outer space between the two spheres, and by the hydrostatic pressure it is forced through the pores of the stone globe, and is drawn out beautifully pure from the tap beneath. There is also another tap for drawing the water in its unfiltered state for washing, cleaning, &c., by which act the deposit of matter on the stone is effectually washed away. On getting clogged, after some month but in most of our large towns, is drawn from impure and corrupt sources, and which often presents to our senses a filthy compound, mechanically charged with decomposed animal and vegetable matter, and which, when taken into salts of lead was Forster's patent pressure filterer.

Commander Heaslop and Mr. Horton's newly-invented night signal lights were tried on Tuesday evening at Portsmouth, from Seaview to the dockyard semaphore, the distance between the points being about five miles. They appeared to answer remarkably well, as the lights and their different colcurs could be clearly seen without a telescope. The number of lights in use at one time could not be distinctly made out without a telescope at so great a distance. They appeared to spectators from the platform in Portsmouth to be one body of fire. These lights, we are informed, are not intended for the use of ships, being too cumbersome, owing to their weight and size, but are intended for use along the coast, in case of necessity.

LITERARY NOTICE.

A Treatise on Bracing, with its Application to Bridges, and other Structures of Wood and Iron. By HENRY BOW, C.E. Edinburgh: A. and C. Black. London: J. Weale.

London: J. Weale.

With the introduction of the rallway system many structures had to be erected, to which old forms and practices were inapplicable, and for which new appliances had to be introduced, more especially to works in iron, as applied to bridges, griders, &c., and the peculiar methods by which they had to be strengthened, or trussed, braced, and the development of many of these iron structures, the experiments which ensued on the strength of materials, particularly iron, and the construction of those gigantic novel-ties—the Britannia and Conway Bridges—opened a wide field for emulation, and the development of practical experience; and the little work before us is one of this character. In his preface, the author informs us that, many years since, the simple description of bracing referred to suggested itself to his mind, and having investigated its qualifications, he expected to have had opportunities in the expects of his profession of practically using it. Such, however, not being the case, he has followed up the less congenial course of placing his investigations before the public, in hopes that they may be found useful. The propositions on which the author bases his deductions are—first, that in a triangle an angle cannot increase, or diminish, without the opposite also increasing or diminishing—and second, that when the angles of a figure are unchanged the shape is the same, and, therefore, the figure is completely braced. The converse of riangular method of bracing; the application to various structures; pressures of four classes of structures; inchantion of braces, and various considerations under the head "Construction;" the whole illustrated by diagrams. The volume will be found useful for reference, both for wood and iron structures, particularly to the young engineer.

The New Storm Indicator.—Dr. G. Merrywesther, of Whitby, whose "Tempest Prognosticator" has been recently neticed in our columns, has applied to the Royal Commissioners of the Great Exhibition for standing room for "a circular, pyramidal apparatus of 3 ft. In diameter, and 3 ft. 6 in in height, composed of pelished mahogany, glass, silver, brass," &c., to illustrate his discovery of the means of anticipating storms, which he intends to promulgate for the benefit of all nations on that great occasion. The ingenious Doctor, who has devoted years of study and observation to perfecting this important discovery, states his intention to simplify the apparatus as much as possible, to render its operations comprehensible to every one, and manageable by all who take pleasure in meteorological pursuits. The accuracy of the "prognosticator" has been tested in so many instances, that the inventor expresses his confident belief that it will be the perpetual means of saving thousands of lives, as well as protecting an immense amount of property. He also sands of lives, as well as protecting an immense amount of property. He also promises a pamphlet on the opening of the Exhibition, descriptive of the dis-covery, and containing proofs of its efficacy and instructions for its management

MOTIVE-POWER.—Mr. J. Hartas, of Wrelton Hall, Yorkshire, has patented some improvements in machinery for obtaining motive-power, which have reference to that class of machines for obtaining power, in which the muscular exertion of a horse or other animal is applied, through the intervention of an endless travelling floor, to give rotation to a shaft, from which the power is taken off and transferred to any purpose for which it may be required. The stoppage of machines of this description is attended with these inconveniences—that either the mechanism itself is liable to be deranged, from the sudden application of a check sufficient to overcome the resistance of the fly-wheel when in rapid motion, or that the horse is in danger of being thrown down and injured, if the stoppage be not instantaneous. As a remedy for these contingencies, it is proposed to hang the fly-wheel on a hollow shaft, free to revolve on the driving-shaft, and provided with a ratchet-wheel, which is to be set in motion by means of a click or paul in the interior of a cylindrical case keyed on the main shaft, and within which the hollow shaft and its appendages will thus revolve. The result of this arrangement will be, that when the horse stops and motion is no longer communicated to the driving-shaft, the click will cease to actuate the ratchet-wheel on the fly-wheel shaft, and the latter will continue to revolve with a gradually decreasing velocity, until its momentum is exhausted. As soon as the horse again begins to move, the paul will take into the teeth of the ratchet-wheel, and restore to the fly-wheel its original speed.—Claim: Making the fly-wheel of such machinery, with its appendages, independent of that part of the mechanism which is acted on by the animal, so that when the horse or other animal and the travelling endless floor are stopped, the fly-wheel and its appendages may continue to rotate, without inconvenience, or risk of deranging the machinery. MOTIVE-POWER.-Mr. J. Hartas, of Wrelton Hall, Yorkshire, has patented

MICE POWER.—A gentleman in Kirkaldy, Scotland, has trained a couple of mice, and invented machinery, enabling them to spin cotton yarn. The work is so constructed, that the common house mouse is enabled to make atonement to society for past offences, by twisting twine, and recling from 100 to 126 threads per day. To complete this, the little pedestrian has to run 10½ miles. A halipenny worth of oatmeal, at 1s. 3d. per peck, serves one of these treadwheel culprits for the long period of five weeks. In that time it make 110 threads per day. At this raté a mouse earns 7s. 6d. per annum. Take off 5d. for board, and 1s. for machinery, there will arise 6s. clear for every mouse annually. The mouse employer was going to make an application for the lease of an old empty house, which will hold 10,000 mouse mills, sufficient room being left for keepers, and some hundreds of spectators. left for keepers, and some hundreds of spectators.

High-Pressure Stram Regulator.—High-pressure engines are now fre-

High-Pressure Stram Regulators.—High-pressure engines are now frequently employed in operations where extreme regularity or uniformity of speed is essentially necessary. A great step towards securing this uniformity would be obtained by adopting a separate regulating-valve, placed before the usual governor throttle-valve. This valve I would make like the common throttle-valve, and connect it with the piston-rod of a small steam-cylinder, to which a helical spring must be attached to balance the steam-pressure. Steam, direct from the boiler, is conducted into the bottom of the cylinder, and as the pressure increases, the corresponding rise of the piston closes the valve in the main steam-pipe, more or less, adjusting it so that the requisite quantity of steam shall pass through, and no more. Then, just as the steam-pressure varies (and it must vary occasionally) the piston will rise or fall, and constantly adjust the flow, so as to keep up the pressure to the point necessary to work the engine. A graduated scale on the top of the cylinder servesto show the steam-pressure at any time, an index being carried by the piston-rod.—John Braidwood: Johnstone.—Glasgow Mechanics' Journal.

A new method of stopping railroad trains has recently been discovered in

A new method of stopping railroad trains has recently been discovered in the United States—electricity is the means used. The plan contemplates the arrangement of a galvanic battery on the locomotive, under the eye and hand of the engineer, with a rod running thence to each wheel in the train, connected with the different clogs or brakes, and to be connected with the battery by a touch, so as to apply simultaneously and instantly any desirable amount of pressure to every clog.

of pressure to every clog.

KETLEY IRON WORKS, KINGSWINFORD.—There is now a probability of these extensive iron works, which comprise three blast furnaces, &c., and which were formerly carried on by Messrs. Oakes and Jones, but for some months have beenstanding idle, being put again into active operation, they having been lately taken on lease by B. Gibbons, Esq. We trust, for the sake of the neighbourhood generally, but more particularly for the working men in the locality, that it will not be long before they are in full work.

it will not be long before they are in full work.

STATISTICS OF CORNWALL.—From some investigations made by Mr. Richard
Thomas, of Falmouth, we find that the direct distance from the Land's End to
the north-eastern corner of the county, near the source of the Tamar, is
71,670 fathoms, or nearly 81½ miles. The longest meridional line that crosses
the county, appears to be from the extremity of the northern coast at Marsland
Month in the north, to the cliff a little west of the spot where the Nailand
signal flag staff stood near Polperro in the south.—this distance is 36,700 fms,
or nearly 41½ miles. The longest line direct east and west is 35,590 fathoms,
or about 43½ miles from Carn Gowla headland to Penlee Point, near Plymonth Sound.

CHARGE OF UTTERING FORGED MINING SHARES.—A person named Wm. Daniels, who has at various times gone under the name of Thomas Kittow and W. D. Boase, highly respectable parties, living in Cornwall, was brought up to Guildhall on Wednesday on the above charge. Mr. Thomas Faller, mining sharebroker, of 48, Threadneedle-street, said that he received a letter from the prisoner, purporting to come from a Mr. W. D. Boase, the purser of the Wheal Mary Ann, near Liskeard, in Cornwall, stating that he (prisoner) had some shares in that mine to sell, and desiring him (witness) to dispose of them for him. The price required by the prisoner, who gave a reference as to his respectability, was 501 per share. The shares were subsequently sold by witness on behalf of the prisoner, who forwarded a transfer of the shares, purporting to be signed by Mr. Boase. Witness paid the money to the landlord of the Old Beil, Holborn, by whom the same was paid to the prisoner. Oncommunication with Mr. Boase, it was found that the shares were forged, the transfer alse being in the prisoner's handwriting, and Mr. Fuller had been obliged to make good the shares to the purchaser. The landlord of the Old Beil confirmed this evidence, stating that the prisoner had, in giving the receipt, signed the name of Mr. Boase. The receipt and letter to Mr. Fuller were evidently written by the same person; and it appeared, from the evidence of Mr. May, detective officer, that there were several other cases against the prisoner, which, in a little time, it would be easy to establish. It was stated that the prisoner had another wife alive at the time. The prisoner was ultimately remanded by Alderman Lawrence until next week. CHARGE OF UTTERING FORGED MINING SHARES.—A person named Wm. by Alderman Lawrence until next week.

by Alderman Lawrence until next week.

WASHINGTON CHEMICAL WORKS—PATENSON'S PATENT WHITE LEAD.—
On New Year's day, Mr. H. L. Pattinson and partners, of the Washington Chemical Company, commenced the manufacture of white lead by his patent process, in the extensive works at Washington, recently erected for that branch of their manufactures, when a numerous party of ladies and gentlemen witnessed the grinding of lead ore, and its subsequent transmutation (without being smelted) into a colourless liquid. On the mixture of this liquid with another; equally colourless, white lead of the most brilliant purity was produced. The wood-work of the manufactory is painted with this white lead; and it is remarkable, not only for its purity but for its body—which is so desirable a quality, and which has hitherto proved so difficult of attainment. The company expressed much gratification at the admirable arrangements of the manufactory; which is entirely free from noisome smell, although gas is generated in the process, which, if liberated, would prove highly deleterious, but is imprisoned and converted into a valuable article of commerce.— Gateshead Observer.

NO COAL IN CALIFORNIA.—Mr. P. T. Tyson, of Baltimore, as the result of

prisoned and converted into a valuable article of commerce.— Gateshead Observer.

No Coal in California.—Mr. P. T. Tyson, of Baltimore, as the result of a scientific visit to the late territory of California, effectually contradicts the reports of a plentiful supply of coal there in a communication to one of the departments at Washington; and it seems likely, he says, that the same geological features extend from near the Oregon boundary to the southern terminus of Lower California. An inspection of the various localities where coal has been reported to exist proved that every one of those beds described as of "the best quality for steaming," were composed of either lignite or bitumen, or something or other still further removed from the character of coal. It is to Vancouver's Island, Mr. Tyson says, that California must look for supplies, unless they may be obtained from Oregon.—New Fork Journal of Commerce.

HOLLOWAY'S OLYMENT AND PILLS, A CRETAIN CURE FOR BAD BREASTS.

they may be obtained from Oregon.—New York Journal of Commerce.

HOLLOWAY'S CINYMENT AND PILLS, A CERTAIN CURE FOR BAD BREASTS.

—Extract of a letter from Mr. F. Turner, grocer, of Penshurst, dated December 13, 1850.—"TO Professor Hollowsy.—Srs.—It is with pleasure that I acquaint you of the wonderful cure effected by the use of your invaluable ontment and pills. My wife suffered for more than six months from a dreadfully sore breast, and which her medical attendant found impossible to heal. She then tried your medicines, which, in little move than a month have effected a perfect and radical cure, to the astonishment of many persons who saw in what an swind bad state it had been."—Sold by all druggists, and a Professor Holloway's establishment, 244, Strand, London.

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COMPENDIUM OF BRITISH MINING

COMPENDIUM OF BRITISH MINING.

Sin,—I notice in your last paper that Mr. Watson's engagements do not allow of his giving as much of his time to this matter, on its third publication, as he could wish, and soliciting the aid of your correspondents to supply what he has not been able to attain. As far as my humble mite can contribute thereto, it shall be devoted to so desirable a purpose, sincerely wishing that I could enlist mine managers and pursers, "One and All," to "furnish forth" such information as the subject requires, and which they (best of any) have it in their power easily to render.

Mr. Watson, in his second paragraph, states—1. "The bounds, or limits, of a mine, are marked generally at the surface by large stones, placed at equal distances."—2. "Considering that many of the mines immediately adjoin each other, and the bounds are only marked out above, it is astonishing how few instances occur of the miners employed in one mine breaking through their limits into the sett of their neighbours."

In answer to the first, I have never found in all the setts I have been interested in that the bound stones are "placed at equal distances," nor can there be any need thereof. Some setts have only four stones set up at the furthermost corners, east, west, north, and south—sufficient to show the extent in length upon the course of the lodes, and the width bounding in all the lodes the sett contains. The number of stones certainly increase when the sett is bounded either way by other lords' lands granted to others—such as in lanes, roadways, leats, or water-courses, out of the straight or the direct line; then stones are placed at the various bendings they respectively may have. In such setts I have noted as many as ten stones set up, but not "at equal distances," and even this is done merely to show how far the different lords' rights extend, and, for the protection of their property, many of them placed there from time immemorial.—

2. I see nothing "astonishing" in this; whilst the contrary would not only of their property, many of them placed there from time immemorial.—
2. I see nothing "astonishing" in this; whilst the contrary would not only "astonish," but cause many a captain to lose his jacket; for it is only by

2. I see noting "astonisming in this; winist the colitary would not only "astonish," but cause many a captain to lose his jacket; for it is only by wilful intent, ignorance, or want of judgment, that "miners employed in one mine could break through their limits into the set of their neighbour."

It is the duty of captains to understand dialling, and keep a working plan, and those who neglect either are no longer worthy their wages. By this any agent can know exactly where the men are working "below," and, of course, direct the pickmen accordingly. How else, as Mr. Watson must remember, could they at Tresavean Mine, in 1840, have undertaken to put down from surface to the 276 fm. level under adit a new perpendicular shaft (say, 320 fms. deep) in two years and two months?

It could only be done by a full dependance on the judgment of the diallers, who, convinced they were "quite correct," immediately set 24 separate pares of men to rise and sink from level to level—in all 144 men, at work day and night; and the result proved that by attentive dialling, any spot marked out at surface can be shown below at any depth. Upon holeing from top to bottom, the perpendicular was found throughout as perfect as though they had sunk the whole distance, which might probably occupy a quarter of a century. I think this enough to prove my second case, if not "error excepted."—Argus: Truro, Jan. 7.

[We have received a further communication on this subject from our cor-

[We have received a further communication on this subject from our correspondent, embodying some interesting statistical information, which shall appear in our next Journal.]

MINE DIVIDENDS.

MINE DIVIDENDS.

SIR,—In Mr. Watson's paper on the Progress of Mining, in your Journal of last week, he states that—"In Balleswidden, Great Work, and Spearne Consols dividends are either due, or have just been declared, but the accounts have not reached us; and in regard to Carn Brea, we are not certain whether another dividend has been declared or not." Allow me to inform your readers, that Balleswidden made a dividend 31st December, 7s. 6d. per 1624 share, say £ 699 0 0 Spearne Consols, 30th December, 5t. per 128th share 640 0 0 Carn Brea, 30th December, 2t. per 1090th share 2000 0 0 Which Mr. Watson has omitted, besides the One made 31st December, 2% per 1000th share...... 2000 0

Additional dividends£5249 0 0

Redruth, Jan. 8.

[We are obliged to our correspondent for his letter, but we must remind him at each of the above dividends were declared after Mr. Watson had writter

MINING IN ST. JUST.

MINING IN ST. JUST.

SIR,—An anonymous letter having appeared in your Journal, two or three weeks ago, respecting Wheal Augusta, I was induced to reply thereto; and had concluded that gentlemen in that district would not again meddle with my mining operations, without attaching their names to their sincere communications. However, I find myself again assailed by the letter to the brokers, sent as a caution to buyers, and in a disguised hand, to this effect:—

"Inspect Spearne Consols: she is not as represented, but poor.—A Miner."

I expect to be on the mine on Friday, the 17th inst.; and if the writer is "A Miner." and will meet me there, I shall feel a pleasure in going underground with him—when, if I am not mistaken, he will see a better course of in than is to be found in any other mine in that district.

As I am in receipt of Capt. Hocking's report to-day, and also a letter from two of our principal shareholders, in reply to a letter I sent them on the subject, I am relieved from the necessity of entering into the merits of the case; and shall beg as a favour that the agent's report, and the letter from our adventurers, appear in your Journal in due form, when the discerning public will have an opportunity of judging for themselves.

"Bi. Just, January 6.—Our setting on Saturday last, the 4th instant, went off well, and I am have to inform you that we are a satisfaction."

"81. Jul. Jonuary 6.—Our setting on Saturday last, the 4th instant, went off well, and I am happy to inform you, that we set a pitch in the 116 fathom level to six men; t 2s. 9d. in 11., and we believe this paire will break 2001, worth of in during the month re could set two splendid pitches more in the bottom of this level if we could discharge he work; but when we get our 128 fm. level under this tin, and the winze through from he 116, then we shall have a very much better chance than we have had as yet to work histin ground; so we must look for better days to come.—N. Hocking."

SPEARNE CONSOLS.

The following is the letter referred to by Capt. Carthew in the preceding communication, and to which we do not besitate for a moment in giving publicity, being perfectly satisfied of the respectability of the parties:

licity, being perfectly satisfied of the respectability of the parties:—

Penzance, Jan. 6.—We have only to say, we are not at all the less pleased with Spearne Consols adventure because of the anonymous attempt at the depreciation of its value; and when we tell you so, you must be sure of this from the fact, that athough holders from the origin of about one-fourth of the mine, see do not want to sell, nor have we ever; indeed, the writer was so satisfied that Spearne Consols was not poor, that on Monday last be gave eight shares in Balleswidden for i-128th in Wheal Spearne, and thinks he had a good bargain. However, to the point; having seen a communication from Mr. Crofts, in the Mining Journal of the 4th inst., that Spearne Consols was not reported, we beg to say that it was; and that the report was satisfactory to every adventure, as proving that the mine was as good as she ever had been, that we should continue to receive dividends, and to one piece of ground was worth 100l. per fin.

Two Shareholders.

THE BRYNTAIL MINE.

THE BRYNTAIL MINE.

SIR,—Seeing in your Journal of the 28th December that Chancery proceedings had been commencd against this mine, on account of the lord of the property having granted the working of the mine to a second party, I should be much obliged if you could inform me who is the lord—who is the party that has commenced the Chancery suit—and if the mine is still working?

Lower Broughton, Manchester, Jan. 8.

A Subscriber.

[Having had similar inquiries from other correspondents, we insert this letter and have no doubt the parties interested will render all necessary information.]

WHEAL TRESCOLL.

WHEAL TRESCOLL.

Sir,—Having been lately appointed purser to this company, and having, with competent persons, examined the sett, I should feel obliged by your allowing me to make the following statement in your Journal:—This mine (which was originally commenced by four adventurers) is situated four miles from Bodmin, on the St. Austell road, near the Rocks and Beam Mines. The tin produced sells at from 102, to 152, per ton more than the price obtained by we sink the mine proves richer. The adventurers have expended 88002, being 82, per share, and the amount received from the sales of tin upwards of 20002, which has also been expended on the mine. To parties seeking a profitable investment, this mine appears to me as offering great advantages, based upon the surest and best information it has been possible to obtain.

Spring Gardens, Manchester, Jan. 8.

ADAM SCHOLES LEECH.

ADAM SCHOLES LEECH.

GREAT WHEAL MARTHA-GREAT WHEAL SHEBA GREAT WHEAL MARTHA—GREAT WHEAL SHEBA.

The property of the purpose of enabling him to satisfy himself of the latter mine, and inquiring if you can tell the writer who the Wheal Martha Company are, avowedly for the purpose of enabling him to satisfy himself of their respectability, for his guidance in applying to continue in the mine his former intestability, for his guidance in applying to continue in the mine his former intestability, for his guidance in applying to continue in the mine his former intestability, for his guidance in applying to continue in the mine his former intestability of his guidance in the satisfy his section of the purser, and especially so when, as is the case in this instance, he is set along the purser, and especially so when, as is the case in this instance, he is set along the purser, and especially so when, as is the case in this instance, he is set along the purser, and especially so when, as is the case in this instance, he is set along the purser, and especially so when set he required, to instance, the instance of the purser, and especially so when the required, to instance, he is set along the purser, and especially so when the purser, his objects the purser, his objects of the purser, and especially set along the purser, his objects of the purser, and especially set along the purser, and especially set along the purser, and the whole of the purser, and the purser and the purser.

A SHAREHOLDER IN THE LATE AND LONGER IN THE

SOUTH MARIA MINE.

SIR,—Having had many applications for an interest in this mine, I should feel obliged by your allowing me to state that, owing to pecuniary difficulties, some of the adventurers cannot carry on their interest, and have resigned about 300 (1000ths) shares to the company, who now offer them to respectable holders at 14. each; 300 more, I believe, may be obtained from poor holders at the same rate. South Maria, I may add, is situate direct west from the Great Devon Consols sett, and is divided from it only by the River Tamar. The workings comprise a shaft 20 fms. from the adit level, cased and divided, from which five east and west lodes have been seen by a cross-cut of about 100 fms. Wheal Williams's south lode, which produced many tons of ere in that sett, a few fins. north of South Maria, was also cut in the said cross-cut, and meets our No. 1 lode, south of shaft, about the 34 fm. level, according to the present inclination, and at a greater depth the five lodes form a junction as they now underlay. Two canneters have been opened, also the great cross-course, 80 fms. west of shaft, from which large stones of lead have been taken, shallow, and underlies east; this last lode is considered by many a good paying one. Another caunter has recently been cut in the Great Devon Consols sett, near the Tamar, not yet seen in the South Maria further than the wheel-pit, where it was a rich looking soft gossan, orey throughout. On the whole, we might venture to say that if any spot untried promises a good mine it is South Maria. The lodes seen in the 20 fm. level cross-cut were, in spots, rich with ore, and orey generally in a change of ground, which indicates almost to a certainty riches in depth. any spot untried p the 20 fm. level cross-cut were, in spots, rich with ore, and orey generally a change of ground, which indicates almost to a certainty riches in dep About 4000. has been spent in necessary buildings, water-wheel, flat-robullies, stands, horse-whims, bobs, &c.—J. Seccombe: Tavistock, Jan. 7.

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

TRESAVEAN COPPER MINE (Gwennap) .- The following is a list of the di-

vidends deciared during the present workings:-	
1828- 451. per 96th share £4,320 1838-3901. per 96th share	37,440
1829—1971. 13a. 4d 10,336 1839—3401	32,640
1830—175/	18,720
1831-297/. 1s. 8d · · · · · · · 28,520 1841-155/. · · · · · · · · · · · · · · · · · · ·	14,880
1832-4057	12,960
1833-6307 60,480 1843- 927. 108	8,880
1834-4907 47,040 1844- 357	3,360
1835-3101 29,760 1845- 81	768
18365007 48,000 1846 157	1,400
1837-340/	1,488
****	.,

ornish mines. It is roke in the two rode ster when required.

faster when required.

TRETHELLAN COPPER MINE (Gwennap is on the same lodes as Tresevean, a continuation westward for about 84 fms. long, and drained by means of Harvey's engine, at the first-named mine—the adventurers contributing proportionately to the water charge. The concern is in 120 shares, and to commence operations a call of 51. per share was made. Prior to its being all paid up the workings became profitable, and considerable dividends have, from 1837, been paid to the fortunate shareholders, as specified in the Journal. It has a steam winding engine and crusher, and only one shaft, which is down 13 fms. below the 136 fm. level below adit, which is 60 fms. from surface. The following levels have been driven right through the sett, and into Wheal Brewer, which is west of it, and upon the same lodes—viz. the 27, 45, 60, 75, 100, and 136.

Wheal Brewer.—The same levels have been driven on the course of the

WHEAL BREWER.—The same levels have been driven on the course of the odes throughout this sett, and are all into West Trethellan.

WHEAL BIRMER.—The same levels have been driven on the course of the lodes throughout this sett, and are all into West Trethellan.

NORTH BULLER is situated in the Redruth district, parallel with and near West Buller, and the North Basset lodes run through the sett. It is partly glebe land of the parish of Redruth, and partly land belonging to J. Wentworth Buller, Esq. The works were commenced by a very spirited company, in April last year. A first-rate 36-inch cylinder steam-engine, with all the latest improvements, by Messrs. Harvey, of the Hayle Foundry, will shortly be completed, and set to work. Two shafts have been sunk 100 fms. from each other, and they will be both worked at the same time, by means of flat-rods. We cannot let this opportunity pass without noticing the extraordinary indications of great riches which have presented themselves in sinking the perpendicular engine-shaft. This shaft was sunk in order to intersect a very promising lode in depth, called the Louisa lode, but in sinking the shaft, four other lodes were discovered passing through it—three of them producing rich stones of copper or at a shallow depth, and the fourth an exceedingly rich lode of grey copper ore, supposed to be as rich as any in the county. It is intended to drive a level on this lode as soon as practicable, and raise ore for sale. The engine will shortly be completed and set to work, when all the other lodes will be proved in depth; and it is the general opinion of practical men in the neighbourhood, that this mine bids fair, in a short time, to rival her rich neighbour, West Buller.

WHEAL Uxy is also in the Redruth district, and adjoins North Buller; it is one to be Redruth delse and is the general opinion of the past on the Redruth delse and is the general opinion of practical men in the neighbour and the general opinion of practical men in the neighbour and such and such as a secon as practically and the second in the past of the redruct of

her rich neighbour. West Buller.

Wheal Uny is also in the Redruth district, and adjoins North Buller; it is on the Redruth glebe, and is held under the rector of Redruth and the Ecclesiastical Commissioners of England, with the consent of Ludy Bassett. The large Wheal Uny tin lode was worked upon some years ago, and a considerable sum was spent, principally in surface operations: it was never properly worked, only one lode being tried out of a score that run through the sett. A portion of the Carn Brae lodes run through this ground; and it is the opinion of eminent geologists, who have inspected it, that it is of a most promising character, and is almost certain to be exceedingly rich in metalliferous deposits, the granite and killas forming junctions, and overlapping each other in all directions. Much expense was incurred and trouble taken to obtain the sett, and it is now divided into 1024 shares, the whole of which were instantly taken up, principally by the North Buller adventurers, and it is to be conducted under the same able and economical management. The works were commenced on the 1st inst. with great vigour, and by what we know of the respectable adventurers, and the spirited managers, together with the locality, we prognosticate that before the same time next year she will have raised and sampled many hundred tons of ore.

South Crenner Mink (copper) is in Crowan, situate in the centre of the

we prognosticate that before the same time next year she will have raised and sampled many hundred tons of ore.

SOUTH CRENNER MINE (copper) is in Crowan, situate in the centre of the celebrated mining districts of Redruth, Helstone, and Camborne. It is now proposed to bring this mine again into operation, for which purpose a company is forming, the estimated capital required for all costs being 10,000%, of which 6000% may be needed for the first year. This mine, which comprises an extensive sett, was worked with success for some years prior to 1825, when, owing to disagreements between the parties, the operations were suspended, with the intention, however, of being speedily resumed, as the pump and pit work were left in the shaft. In carrying out the works at present contemplated, the beneficial effects of the outlay already made will be largely experienced; and as soon as the water can be drained, judging from the ore in sight, and the large quantity already broken for bringing to surface, it is calculated that the mine would be again in a paying condition. A powerful 70-inch steam-engine will be one of the first essentials provided, and the draining of the mine forthwith commenced. The entire sett has been recently surveyed and reported upon by Mr. Evan Hopkins and Capt. Richards. The first named gentleman states that the mine is "in the metalliferous clay slate that laps on the vestern margin of the granite near Crowan, embracing the junction of the two rocks, and also two cross-courses, being most important combinations of favourable circumstances to cause a local accumulation of minerals." He recommends, on renewing operations, that the shaft should be sunk as quickly as possible to the 100 fm. level, and push in the levels east, so as to develope this most important portion of the sett, and cross-cut into the south lodes within the limits of the same productive land, by which, according to the indications, the mine cannot

fail of being rendered very productive, more especially as he anticipates that a large quantity of good ore will be discovered at an early period. Under all circumstances, it is not deemed prudent to commence with a less capital than 10,000? Captain Richards goes into various details respecting the old and new workings, and thinks the expenditure for the first year may be limited to a steam-engine, a double acting whim-engine and crusher, with suitable pitwork of every description. He unreservedly avows his opinion that the adventure boldly, and at the same time prudently, carried out, is a first rate speculation. The mine is divided into 1394 shares, of which 144 are reserved free to the owners, and of the remaining number 12.10s, out of the calls per share is to be paid to the owners of the sett for their interest therein. It will be worked upon the Cost-book System.

WHEAL TREMAR (conner) is in the nextle of St. Clear near Lichard at

paid to the owners of the sett for their interest therein. It will be worked upon the Cost-book System.

WHEAL TREMAR (copper) is in the parish of St. Cleer, near Liskeard, adjoining the celebrated South Caradon Mines, and in the immediate vicinity of West Caradon Mine, with lodes running parallel, and possessing a constant supply of water for dressing purposes, and other natural advantages likely to enhance its value as a speculation. An adit level has been driven north from 70 to 80 fms., on three lodes, producing stones of yellow ore; the lode in the end is 2 ft. wide, and of a character resembling the South and West Caradon. A shaft has been sunk about 5 fms. on a similarly good lode, the gossan, peach, prian, black and yellow copper ore, being of a rich description. It is intended to erect a 40 in. cylinder steam-engine, and sink the shaft to a moderate depth, which can be effected for 1500. It is a significant fact, as regards the estimation in which the mine is held, that 424 out of the entire number, 1024, have been taken by the South Caradon adventurers. Messra J. Osborn and Taylor, in their report, state that the south lode is "about 2 feet wide, almost wholly composed of a very fine gossan, presenting as promising an appearance as it has ever fallen to our lot to observe so near the surface." The advice they give to the adventurers is "to prosecute the mine with vigour, having a strong hope that you will be amply rewarded for your outlay." The reports of Messra. B. Dunstan and O. Treven are also in favour of developing the wealth of the mine with all possible speed. Not more than 4. per share, it is believed, will be required before the mine is in profitable work; and we see it announced that more than half the shares are already taken up.

The workings at Wheal Brothers are about to be resumed by a respectable company of a dyeanteers. To this mine, it may be remembered, considerable

The workings at Wheal. Brothers are about to be resumed by a respectable company of adventurers. To this mine, it may be remembered, considerable mportance was attached by the late Capt. Malachy, whose opinions have frequently been confirmed by other eminent captains, and the cessation of operations was owing to other causes than the actual unproductiveness of the sett.

importance was attached by the late Capt. Malachy, whose opinions have requently been confirmed by other eminent captains, and the cessation of operations was owing to other causes than the actual unproductiveness of the sett.

North Wheal Battery (tin), about half a mile to the westward of Penzance, is about being set to work. About three years since this mine was carried on by Mr. Penrose and others, and we understand the prospects are very good. The Park Mine, near Wrexham, adjoins, and the vein is parallel with that of the Minera Mines. It was discovered by a poor miner about 35 years ago, and returned a clear profit of upwards of 100,000? in about 18 years, when the workings were stopped, owing to the company having worked to the end of their take, where another company had taken the ground to the east of them, and raised several hundred tons of lead ore in driving 60 yards in length and an average of 8 yards deep below the level, which is on an incline to follow the run of ore; and eventually nothing more could be done in this end, without an additional expense of about 2000? in re-opening on the vein further to the east, and the ore then selling at about 62, per ton, with a royalty of 40s., the mine was abandoned, and when the old leases expired the present company secured both mines, and have now upwards of a mile of virgin ground before them, with two or three cross veins intersecting their vein in the new ground, which can be worked without pumping-engines to the depth of 350 yards, the present depth being 160 yards. The sett extends over 202 acres, being a mile and a quarter on the course of the vein, and a quarter of a mile wide. This is one of the most promising lead mines at present in North Wales. The lease has 21 years to run, at a reduced royalty per ton for lead; it is divided into 128 shares, of 50.6 each, 102. of which is called up, and the work done to the advantage of the most promising lead mines at present in North Wales. The lease has 21 years to run, at a reduced royalty per ton for le

at some distance from where it crosses this take.

MERLLYN MINE.—The principal agent of North Pool having inspected this sett, reports that, previous to the present company's operations, it had been worked near the eastern boundary by a party of miners to the 15 fm. level from surface, which level was extended 7 fms. through good lead ground; above this level 240 fms. of ground were taken away, worth 54l. per fm., and yielding lead to the value of 13,000l. In the bottom of these workings there is still a good lode going down, and it is intended to sink the present shaft 10 or 15 fms. with a horse whim, and open in the other lodes traversing the sett. The agent goes on to say he had seldom seen a mine holding out such chances of success, and doubts not that great quantities of lead can be raised at a trifling expense. This report is considered as fully confirming all the statements made as to the richness of Merllyn.

This report is considered as fully confirming all the statements made as to the richness of Merilyn.

WHEAL ENYS (tin), which is situated at Porkellis, in the parish of Wendron (one of the richest tin districts in Cornwall), has been worked from time to time by different adventurers, but who appear never to have possessed the means necessary for its adequate development. As far back, however, as dyears since, when only partially worked, large quantities of tin were obtained, with the aid only of a water-wheel in the shape of machinery. The company now formed for working the mine obtained a grant about four years ago, and subsequently a lease for 21 years, at 1-16th dues, from John Samuel Enys, Esq., and since that time they have cleared, secured, and continued the adit throughout the sett. Several shafts have also been cleared and secured, and cross-cuts driven to intersect the lodes, and in these operations they have returned 400! worth of tin of excellent quality; and, from the indications in every part of the sett, very sanguine expectations are formed of the results of the future workings. The mine has been inspected by Capt. Richard Eustic (of Stray Park Mine), and Capt. Michael W. Marten. The former says—"There is no tract of land, to my knowledge, in the county so abundant in mineral veins, lying together in such a convenient position for a well-arranged system of mining, and so situated as to render a small steam-power sufficient for the proper drainage of the whole." He also estimates that 1000! will be sufficient to provide steam-power and pitwork for draining the mine. Captain M. W. Martyn states—"Had I not inspected Wheal Enys, I would not have believed it could have presented such prospects of success;" and the opinions given by both are so favourable as to warrant every effort to put the mine in a proper state for working. A number of shares (500) forfeited by former addisposed of, a 36-inch cylinder steam-engine will be erected, and the utmost eventure in consequence of arrears, are now offered a

ficient to meet part of the working cost, will be reduced to 2000. The mine is divided into 1024 shares, and will be conducted on the Cost-book System.

WEST WHEAL FRIENDSHIP.—I am glad to find that the adventurers are getting over their difficulties, and that they are again in a position to see the 43 fathom level, which has been so long under water. The lode in that level, or rather the capels, were cut into in May last, and the great increase of water from the lode drove the men from the end, who were obliged to be quick in getting away, to save their lives; from that time to the present attempts have been made to drain the water to the bottom, which hitherto have proved useless. Mr. Smith, one of the engineers at the Devon Great Consols, having been appealed to, effected some alterations in the length of stroke, and some other arrangements, from which there is every probability of seeing the mine at a depth of 50 fms. Mr. Smith's opinion has also been taken as to the machinery necessary for the future operations, whether or not a steam-engine will be required, and that gentleman considers that there is a sufficient supply of water in the neighbourhood to keep the water at a depth of 130 fms; this will be an important matter to the adventurers. A committee is formed to inspect the water-courses, and to assist Mr. Smith in carrying out his proposed operations. Capt. James Prout stated at a meeting that the pump-rods, which had been under water so long a time, were very much eaten away by the strength of the water which the lode produces, and the tools and pumps were also much purps were also much. The purp of this concern. I have no doubt we shall soon see West Wheal Friendship on the list of dividend-paying mines, and with her neighbour, wheal Friendship, which has made in the past 50 years from 369,0004 to 400,000. Profit. There can be no doubt on the mind of any practical msn that this is the same lode as the Wheal Friendship—the strata, and everything about it, are of a precisely similar nature; there has

Payrance.—The reports from the mines in this district are generally favourable. Our correspondent at Lelant writes that, from the present appearances that Beeth, a profit may be expected of 1200l. quarterly.—Wheal Margaret had been declining, but is now showing aymptoms of improvement.—There is also a more encouraging account from the Providence Mines.—At Lelant Consols a further outlay will be required to try the new part of the mine, on Wheal Margaret lode, which is considered a good speculation.—There has lately been a great improvement in Balnoon Consols. The lode in the shaft is now reported to be worth 18l, per fm. for tin, and the lode in the eastern end 12l, per fm.—East Wheal Reeth, a mine recently set to work, is well spoken of. The adventurers have put up a horse-engine, and drained the water. They intend driving to cut Wheal Reeth lodes. An engine is now being erected on East Wheal Margaret, for the trial of that mine.

St. Jusz.—In Penzance Consols the levels on the north lode are down into

Wheal Margaret, for the trial of that mine.

Sr. Just.—In Penzance Consols the levels on the north lode are down into settled ground; the 24 fathom level is reported as worth 12L per fathom for 10 fms. in length. There is a bunch of tin on the south lode, and the average quality of the stuff throughout the mine is improved.—West Ding Dong (Sancreed) is now cleared to the depth of the old workings, 18 fms. The bottom levels extend about 22 fms. east and west of the engine-shaft, the appearance of the lode being encouraging, worth in some parts 15L per fm. Pitches have been set in the ends at 10s. tribute. The water is drained by a 36 ft. wheel, to which a six-head stamping mill is to be attached.—Wheal Rose (Madron) has lately commenced working, the sett including the Tregavera Old Mine.

Tymardement Mine.—This sett, which is divided into 512 shares, is a very

TYWARDBEATH MINE.—This sett, which is divided into 512 shares, is a very TYWARDREATH MINE.—This sett, which is divided into 512 shares, is a very extensive one, adjoining Par Consols and West Fowey Consols on the east, on the continuation of the lodes, wrought in these mines and now being so successfully prosecuted. Messrs. Taylor and Sons are managers, and J. H. Tilly, Esq., of Falmouth, is the purser. An engine is to be erected near the western boundary, a little above the Par Bridge, in order to sink a shaft deep enough to cross-cut from it to the lodes in both directions. From the success of the workings on the same lodes to the westward, under the spirited management of the late Mr. Treffry, the adventurers indulge sanguine hopes of the results.

PENDARVES AND ST. AUBYN.—This mine, formerly called Wheal Nelson is situate close by Mr. Pendarve's Lodge, on the road from Camborne to Praze. It has recently been set to work by a Manchester company. It is remarkable that on drawing the water from the mine there was found, in sight, in the 24 fm. level, about 8 fms. in length of a grey ore lode, worth from 15t. to 20t. per fm. The engine-shaft is now sinking below the 24 fm. level, for the purpose of cutting the lode 10 fms. deeper. of cutting the lode 10 fms. deeper.

MORVAH CONSOLS-A new mine, on the coast, about four miles east of Levant, is about being set to work under the direction of Captain Goldsworthy. We understand that a very promising copper lode has been discovered, which can be tried by means of a water-wheel. The number of shares is 160, which are taken up principally by the Levant adventurers.—Cornish Telegraph.

PETER TAYY AND MARY TAYY .- Good and substantial machinery has been erected in these mines, which are now in full course of working. The sumpmen are engaged in cutting down the engine-shafts—the ground is at present hard. In the lode good-stones of ore are occasionally met with: as this is one of the Wheal Friendship lodes, there is do doubt that it will be productive in depth.

THE VIRTUOUS LADY is sampling 80 to 90 tons of fair quality ore monthly. NORTH WHEAL ROBERT .- The working of this mine is resumed: two shafts are commenced from surface, and an adit and other work is in progress.

WALKHAMPTON CONSOLS, which is bounded by Frances in the west, and Wheal George in the east, is a kindly sett, and the water-wheel and pumps ought not to be suffered to rot and rust out. This valley bids fair to turn up large quantities of very rich ore; the mines being as yet quite in their infancy, and having already made considerable returns.

PLAISTOR DOWN .- One of the best setts in this neighbourhood, and ought not

The lode in the Duke of Cornwall Copper Mine was cut this week, and is

It is said that Silver Valley will be set to work again by an efficient company. An inspection of the mine was made on Saturday by Capt. Lean, of Holmbush, and some other gentlemen, in contemplation of the proposed operations.—Plymouth Journal.

Mining Correspondence.

BRITISH MINES.

ALFRED CONSOLS.—The lode in the 70 fm. level, east of Field's engine-shaft, is from 9 to 10 ft. wide; this is the whole breadth of the lode; 5 ft. wide of the north part is pretty orey; the remaining part on the south is capels, mixed with copper ore, worth in all 602 per fm. The stopes over this level, east of said shaft, are looking extremely well, worth quite 1502, per fm. There has been no ground broken in No. 2 winze under the 70 fm. level since the last report, nor can there be until the 80 fm. level is extended further east. The lode in the winze sinking under the 60 fm. level, west of Wyld's shaft, is about 12 ft. wide, worth from 1402, to 1602, per fm. for copper ore. The 76 fm. level end is from 1 to 2 fms. west of this winze. We hope to complete the pit-work in a few days from this time, after which we shall resume the driving of the 80 fm. level, and be in a regular course of working.

RAPRINTOWN.—The ground in the cross-cut still continues favourable

BARRISTOWN.—The ground in the cross-cut still continues favourable for driving, and is still a very congenial stratum for mineral; and we often meet with spots of lead, blende, and mundle—all of which may be considered good indications, and show that the ground at the present point is strongly mineralised, and, being further south than any other level in the same mine, may be received as a good omen. The lode in the end east is small and poor, and for the present suspended, and the men put to drive west on the same lode, which is 8 in. wide, producing stones of lead, and, on the whole, presents as kindly appearance. I have this day set a pitch on tribute in the back of the adit at the eastern part of the mine, near the great slide, which I hope will be found productive.

BAT HOLES .- We have cleared up the engine-shaft to the bottom, which BAT HOLES.—We have cleared up the engine-shaft to the bottom, which we find to be 48 fms. 3 ft. deep below the adit level. At present we are engaged in putting in shaft soilar 3 ft. above the bottom of the shaft preparatory to cross-cutting to the Wood and Cornish lodes, which we expect to commence this week. The California lode is without any material alteration; taking the average of the ground stoped and driven for the last month (Dec.), it has produced about 1 ton of lead ore per fm., which we expect will be equalled for the ensuing month. The ground is favourable for driving on Barrett's lode, producing occasional stones of ore, In consequence of the men having their time taken up in holing the air-shaft, which was sunk in shale, our sampling for the past month is less than was anticipated; this we expect to recover in the present month.

the past month is less than was anticipated; this we expect to recover in the present month, BEDFORD UNITED.—The following is the report from Captain James Wolferstan, read at the meeting on Wednesday:—In driving the cross-cut south from the ongine-shaft, in the 115 fm. level, we have during the last week cut the south lode. It consists of two branches, with a horse of killas between them; the east branch is about 9 fm, wide, and composed of capel, spar, and mundic, with some spots of ore; the ground is much improved, and we may expect a corresponding change in the lode by driving a few fms. eastward. In the 115 fm. level, west of 'Andrew's winze, the lode is large, and principally composed of fluor, with fine stones of ore in places. In the eastern end in this level the lode is 2½ ft. wide, producing good stones of ore, in a matrix of quartz, fluor-spar, and mundic. The appearance of the lode in both ends is highly promising. The ground is also more favourable, and the underlie of the lode is less than at the level above. We may, therefore, reasonably expect an improvement of some importance in the course of the current month. In the 103 fm. level the lode have occasionally occurred, but with this exception it has been the same as at present for the last three months; we have, therefore, an extensive run of ore ground haid open, and whole to the 99 fm. level. In Arceott's winze, sinking from the 90 fm. level, the lode is yielding about 10 tons of ore per fm.; this winze is sunk about 7 fms., and is now about 54 fms. before the 103 end. In the 90 fm. level east the lode, but are now cutting into it; the lode, so far, is composed of spar, mundic, and ore. We propose to continue to cut until we reach the south wall. In the 80 fm. level east the lode has not been taken down or cut into for some time past, and as the capels appear to be large and hard, we think it desirable to continue to drive by the side of the lode, but are now cutting into it; the lode, so far, is composed of spar, mundic, and ore. We propose t BEDFORD UNITED .- The following is the report from Captain James

making a considerable increase.

BODMIN CONSOLS.—The ground continues to improve as we get down with the engine-shaft. We are now down to about 8 fathoms below the 13. Should the ground continue as it now is, we shall be down to the 25 fm. level in a month from this; so that, by the end of February, we shall see the lode at that point. The water continues to increase in the shaft, so that it is necessary to get a longer lift—say, 104-in. This we must have before we cut the lode. The other parts of the mine continue much as last reported, except No. 2 wires. The copper lode in its underlay has just left the wines, so that we shall not see much more of it at this point; it continues to yield some good stones of copper.

BODMIN MOOR CONSOLS .- On sinking on the lode to the west of or BODMIN MOOR CONSOLS.—On sinking on the lode to the west of our shaft we have had an improvement, and have gone through the lode, which is 9 ft. big with regular walls on each side of it, and a flookan it in. big; the lode is composed of a bine peach, timpt throughout, and on carrying the flookan we found a good quantity of tin in it—it is in a beautiful stratum (granice), and can be worked at a small expense. The tin is fine, and the batch we sent last week fetched the best price, or as good as any in the county, being 51 L, per ton, as the tin bil will prove, which I forward you. Mesers. Daubas were the purchasers. We are busy sinking our new shaft, which will take this idea in the 50 fm. level, and we are pushing on our deep adit with all speed; this adit will sake our present lode 40 fms. deep on a further drivage of 25 fms., and after going firmugh it, will intercept our new discovery on a further drage of 18 fms. to hill, at a further depth of 55 fms.; and, on extending this adit to hill, on the ourse of our main lode, we shall gain 2 ft. in the drivage of every fathom, for 400 fms., so that we shall lawe backs to last us for many years to come. The three we have returned is very fine, but, as we get deeper, it is my opinion that it will increase in quality, and, as the same time, he rock wanting in quantity. We are about 400 fms. from killas, which joins our action in the stream of the sectrome north-west boundary. Our large wheel works well, and the stamps answer every purpose. I have measured the stream of water on the western part of the sett, and find it will drive a wheel with 12 additional stamp-heads when required; but I do not advise the erection of any further machinery until we intercept the lode in our deep level, as we shall then have ore to pay all expenses. There is ne doubt of this mine, about being the dividend list. BODMIN WHEAL MARY CONSOLS.—The report states the water to ave been forked on Monday last by aid of the small engine, and the shaft found to be ink 3 ft. below the 10 fm. level; a cross-cut is driven south about 10 fms., and has introcted two lodes, each of which are driven upon about 3 fms. From the second lode by have broken firmer and more settled yellow ore than seen in the mine for some time sit; but it is not considered to be the lode from which the tributers are raising ore in each. As soon as the shaft is put in repair, they will immediately commence to sink the 20 fm. lovel.

BORRINGDON PARK.—We have cleared the run in the adit level, and

BRYN-ARIAN.—The lode in the 10 fm. level, driving west from the shaft, BASA-ARIAN.—Ine lone in the 10 m. level, driving west from the shart, is at present disordered and poor. The stope in the back of this level is suspended until the winze coming down from the salit is holed. The stope in the back of the adit level west is still yielding 15 cwts, of ore per fm. The weather has been so rough, that we could not get a vessel to take 20 tons of ore to Holywell, but expect to ship it this week. We have advice of the pumps being shipped, and on their way to Aberystwith. We are now in regular course of drawing stuff and dressing.

now in regular course of drawing stuff and dressing.

CALSTOCK CONSOLS.—In driving east, under Kelly, we find the lode has much improved and is improving; it is composed of peach, a large quantity of mundic, and good stones of ore. The Tamar Consols lead tode having been cut in the north part of the sett, the distance is now ascertained when it will be intersected in the eastern level, which will be in about 30 fms. more driving. About this cross-course, from the improving nature of the lode in the level, and the rich character of the gossan on the backs of the lode east of the cross-course, a very productive lode for copper may be soon expected. There is now on our quay about 200 tons of mundic for sale.

CARTHEW CONSOLS.—The No. 2 slide in the engine-shaft has given us a great deal of trouble, and much impeded our progress in sinking since my last, by fre-

CARTHEW CONSOLS.—The No. 2 slide in the engine-shaft has given us a great deal of trouble, and much impeded our progress in sinking since my last, by frequently bursting the timbering; we have taken down a little of the lode this week, which shows very good; the size of it can searcely be determined, being somewhat mixed with the slide, but it carries with it a branch of lead about 6 in. wide, besides a good portion of copper and lead, which is to be found in sparry portions of it. The lode in the south end, 75 fm. level, looks well, and is yielding good work in copper and lead. The winze in the bottom of the 65 fm. level north has a very good appearance, the lode about 2 ft, wide, all tolerable good work. We have communicated the middle shaft from the 48 to the 65 fm. level, and in a few days shall be in a position to work the machine kibbles in the new portion, which will be found a great advantage to the mine. The lode in the south winze, in the bottom of the 48 fm. level, is much improved since my last notice of it, and continues to improve as we get down. The tribute pitches are looking well.

DEVON GREAT TINCROFT.—The lode in the adit end is yielding 150 sacks of good stamps' work to a fm., and the stratum is highly conducive to the production of thin ore; the price per fm. for driving is 90s., and the men to pay all the cost they may incur in spending the ground. The stopes in the back of the adit level are also turning out more tin stuff than heretofore, and of better quality, the lode being now upwards of 3 ft. wide, and, from present appearances, is likely to yield a large quantity of ore.

DEVON WHEAL MARY ANN.—We are gliad to inform you that the lode

DEVON WHEAL MARY ANN.—We are glad to inform you that the lode in the deep addi level west presents a more favourable appearance than when it was last reported apon. The lode for some few feet driving has been intersected by a transverse branch of spar, which crossed the lode in an oblique direction from north to south; this interruption, we are glad to state, is leaving, and the lode getting into its usual settled appearance, being at present about 3 ft. wide, composed of spar, capel, peach, prian, and good spots and stones of yellow copper ore, now driving at 5t. per fm. From the highly favourable opinion expressed by gentlemen considered competent judges, as well as our own, we anticipate a good and lasting mine.

appearance, using at present about 31. wile, composed of spar, capel, peach, prian, and good apots and stones of yellow copper ore, now driving at 54. per fm. From the highy favourable opinion expressed by gentlemen considered competent judges, as well as our own, we anticipate a good and hasting mine.

DY FNGW M.—During the past four weeks, the lode in the 32 fathom level, west of the shaft, has greatly improved both in size and quality; it is now about 3 ft. wide, worth 30. per fm. The fore-breast is very troublesome for driving, in consequence of so much water issuing from it; driven during the past month, 2 fms. 4 ft. 6 in., at an average price of 36. 6s. per fm.; it is set this month (January) to four men, at 6f, per fathom; the 32 fm. level, east of the shaft, is still unproductive. From the dip of the orey ground in the 22 fm. level, I think there must be further to drive to intersect the orey ground in the 32 fm. level, east of the shaft, is still unproductive. From the dip of the orey ground in the 32 fm. level, east of the shaft, is still unproductive. From the dip of the orey ground in the 32 fm. level, at think there must be further to drive to intersect the orey ground in the 32 than we anticipated at first. The lode is at present small, yet it is more promising than I have seen it for some time past; driven in this level during the past month, 3 fms. 3 ft. 3 in.; it is set now to two men for January month at 32, per fm.; the stope in No. 4, west of the whim-shaft, in the bottom of the 22 fathom level, is productive of lead ores, worth 8, per fathom. This is certainly a most promising piece of ground; and, from the appearance of the lode in the back of the 32 fm. level, east of the shaft, is still productive of lead ores, worth now 31, per fm.—set to two men at 21. 10s. per fm.; in the 22 fathom level, there is every reason to expect an improvement in this stope shortly. The stope No. 1, in the bottom of the 22 fm. level, east of the shaft, is still productive of lead ores, worth now 31, per fm.—se

plete to the adit level, in order to drop the lift under that level. We shall now procee to cut the ground, and put in launders to take up the water in the adit level with all pos sible speed. Our sawyers are cutting timber to finish the wheel, and the smith is goin on with the ironwork as fast as possible. I hope the wheel will be at work soon.

stolenged. Our sawyers are cutting timber to finish the wheel, and the smith is going on with the ironwork as fast as possible. I hope the wheel, and the smith is going on with the ironwork as fast as possible. I hope the wheel will be at work soon.

EAST GUNNIS LAKE JUNCTION.—The engine-shaft is cut down and made complete to the 16 fm. level; the lode where standing in the shaft is 3 ft. wide, and containing very good stones of rich yellow ore. On Saturday last, we dropped the lift under the 16 fm. level, and are now engaged in clearing the level that was driven on the course of the lode, also a cross cut driven to intersect the south lodes. In the course of a few days, these drivages will be sufficiently cleared to admit of their being entered, and the lodes inspected. Our progress has not been so good as was anticipated. Owing to the late excessive rains, and the adit levels being insecure, it let down a great deal of water, passing through them from the very extensive old workings, both east and west of the shaft, which rendered it necessary to put in launders over every suspected place. The difficulty, although not entirely removed, isso far overcome, that the wheel now keeps the water, going about four strokes; and we are not likely to be again impeded.

EAST SHARP TOR.—There has been no lode taken down in Hitchins's shaft since my last, the men having been engaged sinking in the country to the north.

ce my last, the men having been engaged sinking in the country to the north und is still killas, and very favourable for sinking. We shall have about 2 fms sink in the country for bearers, elstern, &c., prior to sinking diagonally; the lepth of shaft from surface is 21 fms. The water continues as usual.

EAST WHEAL GEORGE—The lode in the 12 fm. level, east of shaft, is small and unproductive; not being satisfied with this, we put the men to strip down the lode standing on the south about 9 fms. east of shaft. We find at this point the lode is very large, having cut in 9 ft. to the south wall, in which is seen good spots of ore throughout. We purpose immediately to drive south in the present end of this level, in order to ascertain if anything is to be found at this point. The stopes in the back of the 12 fm. level, west of shaft, are without alteration, still worth 105, per fm.; the stopes in the back of the same level, east of Growl's rise, are producing some ore, but not rich. The sumpmen having immense quantities of water to contend with in sinking the engineshaft, which is very much increased by the late rains, are getting on but slow in sinking the shaft, being now down 10 fms. below the level. We are getting on with the dressing as well as can be expected, considering the weather we have had of late.

EAST WHEAL JOSIAH.—The lode in the adit end south is large and of a promising character, of which we are carrying about 3 ft. of the western part; it is composed principally of flookan, spar, with a small proportion of mundic, &c., likewise spots of copper ore at times; the ground is also very soft for driving, and it requires pretty much timber to be kept open—price 50s, per fm.

EAST WHEAL REETH.—I am now convinced, as well as the engineer, that the water-wheel is of sufficient power to draw both lifts with ease to the depth of the present shaft, so as to do away with every horse, which will be a saving to us of at least 26t, per month. We have six men still driving the 10 fm. level towards Wheal Glory bottoms; they are driving by the side of the lode, so as to get forward 2 or 3 fms. before bottoms the sooner, of course, we may expect to meet with the tin. As you have determined to have an engine as soon as possible, it is now my opinion we have hat better draw the vetaw with the second of the second and EAST WHEAL GEORGE.—The lode in the 12 fm. level, east of shaft, is

bottoms; they are driving by the seed of the lode, so as to get forward 2 or 3 mas, or taking it down; the nearer we get under the bottoms the sooner, of course, we may pect to meet with the fin. As you have determined to have an engine as soon as pos-t its now my opinion we had better draw the water with the stamps wheel in the me time, so as to clear the shaft, and keep on the end till the engine is ready. The expe will be only 34, per month, and enable us to keep on progressing at a triffing expense

ill be only 3t, per month, and enable us to keep on progressing at a trifling expense. FAST WHEAL RUSSELL.—Since my last report we have sunk Hitchins's last to the bottom of the adit (about 12 fms.), and we have commenced cutting the plat-te lode is composed of gossan, prian, quartz, and capels of a superior quality. Mur-ision's shaft is sunk to a depth of 9 fms., producing the same quality stuff as at the me of my last report, with a quantity of greens of copper. The deeper we sink the over I am excitted with the appearance of the lode.

ESGAIR LLEE .- The caunter lode in the deep adit, east of Morgan's winze. ESGARK ILLES.—In ecaunter fode in the deep sault, east or Morgan's winze, as far as it has been taken down, has the same promising appearance as when last reported, but in the course of this week we shall take the lode more thoroughly down to the north wall. The canuter lode in the 12 fm. level, east of Morgan's winze, has not been taken down during the past week. The stopes, on an average, are much the same as in my last, yielding about \$\frac{1}{2}\$ to ore per fm. During the past week, on account of the stormy weather, very little has been done at surface; in fact, we had only two dry

GEORGE AND CHARLOTTE.—The shallow adit level end south, on the GEORGE AND CHARLOTTE.—The shallow and tevel end south, on the cross-course, is not got to within about 3 fms. of the lode as we expect; this level is just as when I last reported, producing malleable copper and rich black ore; in the same evel, driving cast on the lode first cut, the lode is large, and producing good stones of ore; the stopes in the back of this level look pretty well; the lode is large; the crey part is about 2 ft. wide, and producing fully 2 tons of rich ore per fathom; in the winze ander the deep adit we have set a pitch at 11s. in 14. to two men and two boys; this align is 50 fms. below, and 50 fms. behind the shallow adit end.

HEIGNSTON DOWN CONSOLS.—The winze sinking below the 45 fm. HEIGNSTON DOWN CONSOLS.—The winze sinking below the 45 fm. swel is much as last reported. The lode in the 45 fm. level, east of Doldge's winze, is mproved, being worth at present 30L per fm. The 35 fm. level east is without important iteration, as also the cross-cut south and rise in back of said level. Hitchins's shaft, as also the 35 fm. level west, is much as last reported on.

HENNOCK .- The shaftmen have finished the plat, and commenced cutting

HENNOCK.—The shaftmen have finished the plat, and commenced cutting bearer holes for putting in bearer and cistern, and I have to-day set a contract for cutting cistern-plat, putting in bearer and cistern, axing lift, main rods, stays, &c.; also putting in pentiense, hauling up staking lift, and so complete all in order for sinking at 141, per job, which I think will be completed the sfortingint. We have cut into the lode 5 ft., and I am happy to inform you that it is showing an exceedingly good improvement from the 10 to the 20 fm. levels. I have to-day (fan. 7) set 5 ft. more to cut in the lode, at 54, 5s., and lawre no doubt we shall have upwards of 20 ft. to get through.

HERODSFOOT.—In sinking the engine-shaft a great change in the ground and character of the lode has taken place during the past month; the lode is now from 4 to 5 ft. wide, composed of soft friable spar, containing good stones of lead ore, but not rich at present; it is very easy for sinking, and weexpect, in another month, to be down sufficiently deep to commence driving, when we shall prove the lode. At Brase's shaft the ground has become much more favourable for sinking, and, from its general appearance there is but little doubt that we are close upon the lode; some small branches of lead have been much with, and should the lode, from the irregularity of its underlie, not make into the shaft, we purpose to cross-cut to it at the end of the month, as there is a fair prospect of its proving productive earlier than we expected. In the 12 fm. level north we have recently cut through the lode, and find it to be 6 ft. wide, 4 ft. of it on the western side being soft spar, and carrying a good branch of lead, worth 10 cwts. per fm.; this would appear to be the same run of ground we have jue touched in the engine-shaft, and, should it prove so, our prospects will be greatly enhanced. In other parts of the mine there is do per a first and the part of the mine.

KINGSETT AND BEDFORD.—I was underground here yesterday—the

every reason to hope that the roturns will be fully supported, notwithstanding the discontinuance of operations is the north part of the mine.

KINGSETT AND BEDFORD.—I was underground here yesterday—the men have again taken their pitches. We have also set: another stope behind the south end, but being so close to the end driving, we are unable to set it on tribute, as we are obliged to put the lead from the end, and rise at one and the same pile, and convey it to surface. The lode in the present end, driving south, is looking most excellent, and fit is continues as at present we shall soon lay open many fathoms of orey ground. Our great object now is to force open this end, to communicate to the high rise which is up a few feet above the present level. We shall soon be in a position, if the lode continues good, to take away a great deal of lead. The lode in the bottom of the old men's workings, by Luke's shaft, still continues to turn out some good work, although we deem it proper to stop it for the time, in consequence of the surface water being so very expensive to keep; but after our south end is forth to communicate to the rise, then of coarse our workings will be properly ventilated, but at present the men cannot work to advantage—the levels being full of powder smoke all through. We shall also be able to set our high rise (that has been abandoned for want of air), much cheaper, so as to hole to the old workings, as well as set a pitch in the same, which will be drained of water. Our sample is come back worth 164, per ton for lead, but shall try another sample. Our floors are full of lead in course of dressing, which I think will turn out well—every man in the mine is breaking lead, more or less. We shall soon know whether she is a paying mine or not, by our two months' samplings; every care and economy is used to make her so.

KIRKCUDBRIGHTSHIRE.—At Stewart's shaft, the lode in the 74 end level west is 3 ft. wide, yielding 8 cwts. of lead to the fathom. At Keith's shaft, the lode in the

KIRKCUDBRIGHTSHIRE.—At Stewart's shaft, the lode in the 74 end level west is 3 ft. wide, yielding 8 cwts. of lead to the fathom. At Keith's shaft, the lode in the 62 end west is 3 ft. wide, with stones of ore; at Gliphi's shaft, the lode in the 62 end east is 4 ft. wide, with good stones of ore; the lode in the 62 end west is 4 ft. wide, worth 1 ton to the fathom. The lode in the 69 end west is 3 ft. wide, with a kindly spar, but unproductive. The lode in the 40 end west is 5 ft. wide, with good stones of ore. We are expecting a vessel to take a cargo of ores next week.

**LLWYNMALEES.—The 8 fm. level west continues very promising; the ground is becoming stronger and harder, which is generally the case before meeting with a bunch of ore. In the 14 fm. level west the lode has much improved since last report; in the rise from the 14 fm. level, to meet the western winze, the lode is much the same as last reported; the stopes, from 11 to 20 fathoms, west of the western winze, will be decreased for five or six weeks to come, by which time the western winze and the rise from the 14 fm. level, to meet the western winze and the rise from the 14 fm. level, to meet the western winze and the rise from the 14 fm. level, to meet the western winze and the rise from the 14 fm. level, to meet the western winze and the rise from the 14 fm. level, to meet the western winze, will have been communicated.

**MILL POOL.—The operations in this mine were commenced on the 1st of

will be decreased for five or six weeks to come, by which time the western winze and the rise from the 14 fm. level, to meet the western winze, will have been communicated.

MILL POOL.—The operations in this mine were commenced on the 1st of April last, since which the add it level has been cleared and secured for upwards of a mile in length. The levels east and west on Lowry's lode have been cleared and secured for 120 fms. in length in the add! level, which is 15 fms. deep; the backs for the greater part of this length were found to be taken by the former workers. The prospects were such in various arches of ground left standing in different parts in the back of the add; as to induce the adventurers to erect an engine of 30-inch cylinder, which was set to work on the 24th Nov.; since that time the shaft has been cut down from surface to an adequate size, and sunk 10 fms. 5 ft. under adit, at which point the lode has been intersected. The lode in the bottom of the shaft is 3 feet wide, worth 20t. per fm. for tin, with good branches of copper ore on the footwall. The ends east and west are commenced driving, and are now about 4 feet east and west, and we find no falling off the lode in value in either end; the ground is of a very easy character, and from 20 s. to 25s. per fathom is a good price for driving. We intend to sink a winze immediately from the bottom of the adit level, in order to stope the backs of the 10; and having sufficient stamping force on the mine, we shall be in a position in a very short period to pay all the outlay on the mine. anti revot, in order to stope the backs of the 10; and having sufficient stamping force on the mine, we shall be in a position in a very short period to pay all the outlay on the mine, as well as to give a good profit to the adventurers. We are also erecting a line of flat-rods to the great Mill Pool standard lode, which we hope to set to work in about three weeks, and we have every reason to expect similar results on this lode, as on the one already operated upon. We congratulate the adventurers on the possession of what we cannot but call a first-rade/concern, and feel no hesitation in stating it as our opinion that no old mine has been opened with such favourable results in the county of Cornwall for the last half century.

MINERAL COURT.—We have now cut through the lode in MINEKAL COURI.—We have now cut through the folial the total here below adit, and find it better than our most sanguine expectations led us to hope for; its size is about 6 ft., 3 ft. 6 in. of which is tin work of good quality; the other part of the lode is tinny, and contains a great deal of soft white prian and sugary spar, altogether congenial for a good lode. The lode never presented such an appearance in any of the upper levels, and fully justifies the reports of Capt. Evans and myself, that in every succeeding level we were likely to find the lode improved in value. I am sure our adventurers will be glad to see this statement in your columns, but it cannot prove more satisfactory to them than to myself, to be enabled honestly to say so much of their mins.

satisfactory to them than to myself, to be enabled honestly to say so much of their mins.

NORTH WHEAL FRIENDSHIP.—We have just set a rise in the back of
the 30 fm. level, west of Buller's shaft, immediately over the place where we found the
malleable copper a short time since. In the deep adit level, north towards the copper
lode, we have not discovered anything worthy of notice, nor do we expect to intil we get
near it; this end is now being driven at 44, per fm. In the 32 fm. level, north of Lean's
shaft, we are at present driving by the side of the lode, which is hard; the object in doing
this is to get under some lead ground from 10 to 15 fathoms before us. The pitches are
looking just as usual. We have about 15 tons of lead ores broken, and which are in course
of dressing up.

PEN-Y-BANK AND ERGLODD UNITED .- The lode in the adit level, Iriving west from the cross cut, is at present small, with a little ore, but not to set any ratue on. We have cleared up the shaft at Fen-y-bank 25 fms., and have been into some of the old workings; we have seen several arches which were left standing by the old nen, with good branches of ore in them.

men, with good oranches of ore in them.

PENZANCE CONSOLS.—We have made more discoveries on the north lode, and we can now plainly see that we have from 25 to 30 fms. of good tin ground opened, and still a good lode or it in reach end going east and west, and it is going up behind all our old workings, all in whole ground, which is likely to hold to the surface. Other purts of the mine never looked so well as they do at the present time, and I think from all appearance that in three months more we shall employ a number of men more than we have now, and all working in good tin ground.

PRAED CONSOLS.—Everything here looks most premising. The men are

PRAED CONSOLS.—Everything here looks most promising. The men are ill cutting through the lode, which is at least 16 ft. wide; and I am of opinion that we are got at the side of it, as the ground is altered, and there appears to be a wall; the

SOUTH BALLESWIDDEN.—Since our engine has gone to work we have SOUTH BALLESWIDDEN.—Since our engine has gone to work we have been as busy as possible, dividing and casing the engine-shaft, and putting in ladders and a penthouse, so as to make everything complete for the men sinking the engine-shaft under the 16 fm. level; we expect in a day or two to be in a position to set the engine-shaft to shak, and the 18 fm. level end to drive west. We have a fine lode of tin, which the men who drove the level over it have offered to work for 5s. in 1t., if we feel inclined to set it, but we think the best plan for the mine is to shik our sump, and drive under, so as to work the backs, when it will work for considerably less. On the same lode going east from the engine-shaft we have a pare of men working on tribute; these men are breaking fine rocks of tin. In shiking our fork under the 18 fm. level, east of shaft, we discovered a new lode, 20 in. wide, dipping west, producing fine stones of tin, which lode will very well pay the adventurers for working, after our shaft is sunk, and the levels down, so as to have it to work in the backs; we expect, from the present dip of this lode, to have it in the engine-shaft in 3 fms. sinking.

SOUTH WHEAL TRELAWNY .- We continue to drive south on the branch cut in the eastern cross-cut with six men; it is about 9 in. wide, composed of killas, kan, spar, and mundic; it is a great deal wetter than I ever saw it before, and also country. Part is mixed with a large quantity of capels, and the ground is not quite acceptable and the ground is not quite.

TREGEAR CONSOLS.—We have cut a large lode in the turnip-field below Trewigget Farm-house, 6 ft. large, containing good stones of ore throughout the lode, and a flookan 18 in. wide by the side, as pretty a lode as a man would what to see; we are busy sinking on it, and will send you further particulars shortly. The lode is in a white killas, or clay-slate, congenial for ore, and underlays a ft. in a fm., with good walls.

white killas, or clay-slate, congenial for ore, and underlays a ft. in a fm., with good walls.

TRELAWNY.—The engine-shaft is now down 4 fms. below the 92 fm. level, ground rather hard. The lode in the 92 end north is 2½ ft. wide, worth 10l. per fm.; in the south end in the same level the lode is 2 ft. wide, worth 9l. per fm. The lode in the 82 north is 3 ft. wide, worth 9l. per fm. in the winze in the bottom of this level the lode is 2 ft. wide, worth 10l. per fm. At the north mine, Smith's shaft is sunk 3 fms. 1 ft. below the 55 fm. level, ground moderate. In the 55 end north the lode is 2 ft. wide, worth 6l. per fm. In the winze in the bottom of the 40 fm. level, north of the shaft, the lode is 10 in. wide, worth 5l. per fm. We have resumed the driving of the 68, north of Trehane, where the lode is promising. Our stopes are producing much as usual.

TRELEIGH CONSOLS.—Christop Lede, In the 100 fethom level, wast of

Our stopes are producing much as usual.

TRELEIGH CONSOLS.—Christoe Lode: In the 100 fathom level, west of Garden's shaft, the lode is 18 in. wide, with stones of ore. In the 90 fm. level, west of ditto, the lode is 20 in. wide, worth 64, per fm.; in the stopes above the 90 fm. level, est olde is 20 in. wide, worth 104, per fm. in the 80 fm. level, west of cross-cut, on the north part, the lode is 20 ft. wide, with stones of ore, and is looking more kindly. In the 70 fm. level, west of Garden's shaft, the lode is 20 in. wide, with stones of ore. —Parent Lode: At Parent engine-shaft, below the 32 fm. level, we are sinking in the country. In the 52 fm. level, east of ditto, the lode is 24 ft. wide, with stones of ore. In the 30 fm. level, east of ditto, the lode is 13 in. wide, not much ore; in the rise above the 40 fm. level, east of cross-cut, the lode is 18 in. wide, not much ore; in the rise above the 40 fm. level, weat of cross-cut, the lode is 18 in. wide, not much ore; in the rise above the 40 fm. level.

WARLEGGAN CONSOIS. Lettend in my lett the aven bad come to whole

WARLEGGAN CONSOLS .- I stated in my last that we had come to whole WARLEGGAN CONSOLS.—I stated in my last that we had come to whole stound in the bottom of the south adit; I have now the satisfaction of informing the directors that we have cleared about 6 fathoms over the ground, and that there is a good lode in the bottom of the level the whole of this distance, averaging about 18 in. wide. The lode was left standing by the ancients a great part of the way, but we find it to be good work, and about the size I have just mentioned. This I consider to be a very important discovery, and I think we may safely calculate on a good lode being gone down nearly the whole length of the adit, or so far as we have cleared on the course of the lode, under the workings of the ancients. We have not yet cut the lode in the north cross-cut; this is rather strange, but I think the hard ground we encountered in the shaft; me mediately after passing through the lode has caused it to underlay more flat than it will to sho now in house able, w great ore, 2 ore; i meet has cu good o big ea as it h

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ther it gets down into more settled ground. Notwithstanding this, our prospects were better than at the present moment, and it gives me great satisfaction to have such searing prospects to report on in the south part of the mine. I would beg to submit that every preparation should be made for sinking as early as possible in the spring; wought to be later than the beginning of March.

WELLINGTON.—The lode in the 50 fm. level, east of engine-shaft, is 1 ft.

WELLINGTON.—The lode in the 50 fm. level, east of engine-shaft, is 1 ft wide, principally spar; in the same level west we are driving north on the slide ground farourable for driving, set for the month at 46s. par fm.; should the ground here continue as it is for four or five months, it will be of great importance to the mines. The lode in the 42 fm. level, east of Parcolly shaft, is 18 in. wide, but at present poor. In the same level west, we are driving north, for the purpose of cutting No. 1 lode, which we hope will be the case in five or six weeks from this time. The water will then be drained from the western which we hope will be the case in five or six weeks from this time. The vater will then be drained from the western whim-shaft, is 10 in. wide, and composed of copper ore, lead, and mundie, which we consider are favourable indications. In driving north in the adit level, west of shaft, we have cut since the last report the engine lode, and at present we are driving west on its course; the lode here is 4 in, wide, having a kindly appearance. The ground in the cross-cut, driving north in the adit level, to cut fisher's lode, has for the last formight been harder that at any time since it has been driving, and is so at present: we hope this will not continue long. We cannot de anything under the 7 fm. level, on the No. 2 lode north, owing to the water; nor are we likely to do anything for two or three months to come. The great quantity for the week will put a stop to our shallow operations.

WEST WHEAL JEWEL.—In the 70 fm. level, west of Williams's ero WEST WHEAL JEWEL.—In the 70 fm. level, west of Williams's cross-course, on Wheal Jewel lode, the lode is worth 7t. per fm., drove last month 1 fm. 2 ft. 6 in. In Carkeek's winze, sinking in the bottom of the above level, on the same lode, the lode is unproductive, sunk last month 1 fm. 5 ft. 6 in. In the 57 fm. level, west of Hodges's cross-course, on Tolearne tin lode, the lode is worth 5t. per fathom, drove last month 1 fm. 3 ft. 6 in.; in the 57 fm. level, east, on the same lode, the lode is producing stones of tin, drove last month 1 fm. 4 ft. In the shallow adid level, west of Tregoning's shaft, on the same lode, the lode is producing stones of tin, drove last month 1 fm. 1 ft. In the 42 fm. level, west of Quarry shaft, on the same lode, the lode is 2 ft. wide, producing stones of tin, drove last month 5 fm. 1 ft. In the 42 fm. level, west of Quarry shaft, sinking below the 42 fm. level, each last month 5 fm. The 30 fm. level, driving south of Provis winse, on Williams's cross-course, to lode to the cross-course, out the eastern part of Wheal Jewel lode, drove last month 2 fms. 3 ft.; ditto, driving north, to hole to the rise from the back of the 47 fm. level, drove last month 2 fms. 3 ft.; ditto, driving south in the 30, on Williams's cross-course, to hole to Pryor's winze, drove last month 2 fms.; ditto, south from Wheal Jewel lode, in the adit level, on Williams's cross-course, to cut the south lode, drove last month 4 fms. 2 ft. 6 in. The stopes in the back of the 12 fm. level, east of Tregoning's shaft, on the same lode, are worth 20, per fm. The stopes are working on tribute.

WEST WHEAL VIRGIN.—We are still sinking the engine-shaft by nine

Ing's winze, on the same lode, are worth 20t. per fm. The stopes are working on tribute. WEST WHEAL VIRGIN.—We are still sinking the engine-shaft by nine sen; we are now 7 fms. under the 9 fm. level, and I have much pleasure in saying that he lode never looked kindlier than it does now. The last 3 fms. we sunk we sold about 0.0, worth of tin, which is paid for. We shall sink 4 fms. deeper, and drive to the 19 fm. well, and then we shall have 6 ft. for the work, and we shall be able to put more men to work, and break more tin on this one lode, besides which we have five master tin odes in the sett, from which thousands of pounds worth of tin have been raised.

WHEAL ADAMS.—The 72 fm. level has been extended several feet south

WHEAL ADAMS.—The 72 fm. level has been extended several feet south on the eastern part of the lode, since I wrote my last report, at which point the ground is also become hard and wet. We are now cutting through the lode as fast as possible, in order to reach the western wall, where, if the ground is more favourable for driving, we purpose extending a level under it; we have cut through the lode about 9 ft.; it consists mostly of hornstone and quarts, with good stones of lead; we have 3 fms. more to drive to get under the body of ore gone down in the level above. The quantity of water Issuing keeps the engine working 10 strokes to a minute, and as the water is not much lessened in the 60, it is quite evident we have not reached the run of oreg ground. The lessened in the 60, which is mear the boundary, continues poor, but the next 6 ft. will, no doubt, be found as productive as it was before we met with the bar of poor ground; the have extended a cross-cut west about 4 fms. north of the boundary, and have intersected both the middle and western lodes; the former will produce saving work, but the latter is poor. In the 50 south we have done nothing since we cut the elvan; it so 50 north is nearly completed. In the 40 north, on the western silver-lead lode, we have been clearing stuff and timbering ground. The 40 and 28 fm. levels are being driven by the side of the lode over the flookan, and the ground is good; we shall cross-cut the lode in both places in the course of next week. The old tribute pitches are poor. The rise in the 28 and 40 have resumed working, and are producing about 10 evis. of lead per fm.

WHEAL ARTHUR.—We have a heavy job in cutting through the great

WHEAL ARTHUR.—We have a heavy job in cutting through the great oss-course, but all is looking well. I hope to complete securing it in a few days, when can form an estimate as to our future workings. I will write you immediately after these theorem.

getting through.

WHEAL CREBOR.—It is with great pleasure I have to report to you that the lodes in the western part of the mine are improving very satisfactorily. The lode in the 30 end, west of Gubbins's rise, is upwards of 2 ft. wide, orey throughout, strong and well-defined. The lode in the winze sinking below the 40, west of Rundle shaft, is about 2 ft. wide, of a very promising character; the lode in the pitch in the 40 is looking well; the 40 end is at present suspended for want of ventilation; the lode is 6 a promising appearance. In the 54 or adit, west of Rundle shaft, we have unexpectedly met with a large strong cross-course, having driven 4 feet, but no signs at present of being through it; this cross-course was never seen by the former company; the lodes in the ends are looking well driving towards it, and having such an extensive piece of new ground before us to the west, I think we may reasonably expect a great change for the better. The other parts of the mine are just as last reported.

WHEAL FRANCO.—Since the last committee meeting on the mine, we have driven about 5 fms. in the 62 fm. level, east of the engine-shaft—the lode for this

WHEAL FRANCO.—Since the last committee meeting on the mine, we have driven about 5 fms. in the 62 fm. level, east of the engine-shaft—the lode for this distance has been of a very promising character, being large, and producing large stones of ore; the lode at present; in the end, is large, composed principally of can, with spots of ore. In driving the 32 fm. level, east of 5 ppry's shaft, the lode has been intersected by a cross-course, which has shifted the lode to the south, a right hand heave, as seen by the plan; we have driven 5 fms. on its course, and have mer with the point of the lode, but much cannot be said about it at present, as we are not forth where the lode takes its regular direction from the cross-course; we have a pretty good lode home against the western side of the cross-course, and I have no doubt but what we shall meet with the lode equally productive on the east side, when it is clean of the influence of the cross-course. In driving the 10 fm. level, east of Burnell's shaft, after driving about 5 fms. on the course of the lode, which was composed of mundic and gossan, when it was cut off by a cross-course, which is, in all probability, the same as the one seen in the 32 fm. level, it having shifted the lode in the same direction. We have here also driven south 5 fms. on the cross-course, and have just intersected the point of the lode on the east side. I hope in two or three weeks we shall be able to say something about the lode in this level, the ground being much softer than the ground in the 32 fm. level below. The engine-shafts down 11 fms. 2 feet below the 62 fm. level; I expect in a fortnight from this time to have the shaft cased down and made complete to the 74 fathom level, when we shall immediately commence a cross-courte in intersect the lode. The deep lobby is extended 8 fms. east of the east shaft, leaving about 45 fms. more to drive to complete it home to the wheel-pit—ground ment as usual. The pitches are much the same as they have been for several months past. Our next sa

months past. Our next sampling will be at Lopwell, having commenced drawing ore to that quay on Monday last.

WHEAL GOLDEN CONSOLS.—At Thomas's shaft, in the 70 fathom level north, the ground is good; the lode is 10 in. wide, producing 4 cwts. of ore per fathom. I think this level is extended to high-water mark; in this case we are keeping the ores separate. In the 77 fm. level north the ground is good; the lode is 1ft. wide, producing 5 cwts, of ore per fathom. I expect a great improvement in this level as soon as we have sunk a winze under the 70 fm. level, about 6 fms. deep; this winze is now about 7 fms. before the level; in sinking the same the lode has produced 15 cwts. of ore per fathom. In the 77 fm. level south the ground is good; the lode is 2 ft. wide, producing 13 cwts. of ore per fm.; I expect an improvement in this very shortly. At the engine-shaft in the 70 fm. level, south of the cross-cut, the ground is improved: the lode is 15 is. wide, producing 3 cwts. of ore per fm. At Webb's shaft, in the 66 fathom level south, the ground is hard; the lode is 3 ft. wide, producing 12 cwts. of ore. The stopes are producing a little ore. The tribute pitches we have at work are poor. The sumpnen are cutting plat and patting in penthouse, in order to commence sinking Thomas's shaft under the 77 fm. level. I expect we shall begin to sink in the early part of next week. We have had such rough weather here for the last week that little has been done to the dressing department. No vessel has yet arrived with the timber.

WHEAL HAMLYN.—I like the appearance of the caunter lode better than ever. We have now branches crossing the C lode, and leading into the great east and west one; these are impregnated with beautiful yellow ore, and no doubt will be feeders.

WHEAL MARY ANN.—The lode in the 70 fm. level, north of Pollard's shaft, is 24 ft. wide, and worth 81, per fm.; in the same level south it is 3 ft, wide, and worth 81, per fm.; in the same level south it is 3 ft, wide, and

WHEAL MARY ANN.—The lode in the 70 fm. level, north of Pollard's shaft, is 2½ ft. wide, and worth 8l, per fm.; in the same level south it is 3 ft. wide, and worth 8l, per fm. The lode in the 60 fm. level, south of the shaft, is 2½ ft. wide, and worth 12l, per fm.; the lode in the winze sinking under this level south is 3½ ft. wide, and worth 12l, per fm.; the lode in the winze sinking under this level south is 3½ ft. wide, and worth 8l, per fm.; the lode in the 90 fm. level, south of the shaft, is 2½ ft. wide, and worth 8l, per fm. The lode in the 40 fm. level, south of the shaft, is at present more promising for lead than when last reported. There has been nothing done in the 70 fm. level, south of Barratt's shaft, since the last report, in consequence of the water, as last reported. However, as it is now drained, we shall commence driving it, where the lode is 3 ft. wide, worth 10l, per fm. The stopes throughout the mine are usually productive. WHEAL PENHALE.—Since my last notice of this mine I ascertain no important alteration in the north end, 40 fm. level, the lode and ground continuing much the same. In the south end, 40 fm. level, the lode shows a much better appearance than when we were driving through the elvan; this end is now about 12 fathoms behind the caunter lode, and in all probability will, at the intersection, be found a very valuable end, and lay open almost a new mine. The lode in the winze on the caunter still continues to show lift. I find no particular change in the tribute department.

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and lay open almost a new mine. The lode in the winze on the caunter still continues to show well, I find no particular change in the tribute department,

WHEAL PROVIDENCE.—The lode in the adit end east is still looking very promising, and it is also improving both in size and quality. The air-pumps are now fixed, and the men are able to work in a proper manner. The walls of the engine-house are now up to take the timber on the bob end; and, if the weather proves favourable, the house will be up and covered in a fortnight.

WHEAL RUSSELL.—The cross-cut in the 48 fin. level south, towards the great lode, is in about 7 ft., and we have just passed through a very rich branch of yellow ore, 2 to 3 in. big, solid, and the country generally is interspersed with fit branches of rec; I think the appearance of this cross-cut strongly indicates a bunch of ore when we meet with the lode. In the 37 fm. level east we are now passing through a silde which has cut off the lode; we had a good bunch of ore against it, and expect to meet with it good on the other side; we have just touched two branches of very rich ore, 3 or 4 in. big each, the main part being still to the south; the lode in the winze is fully as large as it has been, but it is not turning out so much ore at present as thas done. We have cut into the lode in the 37 cross-cut north in the eross-course for about 2 feet, but we think there is still more lode to the north; the part of the lode already seen is not rich, but may be called an orey lode. In the 26 fm. level west the lode at present is not so large as it has been, and there is a small leader of ore. We have not yet met with any lode or branch in the cross-cut north in the 16 fm. level. The pitch in the back of the 37 continues to look very well, and the other two pitches are much the same as they have been for some time past.

WHEAL AL SARAH — We are still deliving on the sent part of the lode at the same as they have

WHEAL SARAH.—We are still driving on the south part of the great east dwast lole, which is improved since last week; we have now spots of malicable and sck ore all over the end.

WHEAL TOM .-- We are proceeding with great spirit. We are bringing up ur lobby, and expect to cut a large lode in a few days, from which there is issuing a

large quantity of water. Our main tin lode in the centre of the sett we have succeeded in tracing for 300 fathoms east, nearly to the bottom of the valley, and in each pit in which we have opened our lode we have found a fine blue capel, peach, and good stones of tin, saving work, and fit for the stamps. We shall commence driving our adit on the course of the lode directly, and on a drivage of 140 fms., we shall have 60 fms. of backs, good stoping ground; it is impossible to see a better lode at surface; it underlays north 18 in., and is 4 feet wide, carrying good, regular, and well-defined walls. We have the walls of our smith's shop up, and are busy getting the roof on. Our sawyers are cutting the timber for our wheel, and our materials purchased at Wheal Anderton sale are nearly all on the mine. We shall commence next week sinking on our copper lode at the north-vestern extremity of our set; we opened it some time since; it was 4 ft, big, underlays south; the tode was composed of gossan, quartz, felspar, mundic, and spois of ore, as kindly as I should wish to see a lode at this depth. Our adit is driven 20 fms. to hill on the course of this lode, where it carries the same features as in the shaft. Our neighbour, Great Wheal Sheba, is doig well on a parallel lode, about 200 fathoms to the north of our sett, and they are raising large stones of ore, 300 lbs. In a stone, on a most promising lode; they will not find, we are far behind them, ere long.

WHEAL TRESCOLL.—We are now down in the flat-rod shaft 4 fms. 1 ft-below the 20 fm, lovel, ground very good for sinking, and getting softer as we go downlode improving, but not rich at present. The east end is driving by six men, at 22, 10s. per fm, lode large, and saving work. We have stopped sinking the winse on the D lode for the time, as we have water in it, and have put the men to stope and drive on the iode. This is a very promising lode, and good for thin, and improving as we are sinking. I am waiting orders to resume the driving of the south cross-cut. This

WHEAL VINCENT .- The lode in the west end is 4 ft. wide, not quite so rich in the back as it was last week; but still remains a good lode in the bottom, where there is a large stream of water pouring up. We are also about 12 ft. below the 10 im. level with our new engine-shaft; but since the last report the ground is a little harder. Our stamps are regularly at work; and we are thinking to return our tin about the end of this month. One of our adventurers has been here and inspected the mine, and is highly pleased to find our prospects so good—taking back to town three of the best specimens of tin that England can produce, and which may be seen at Mr. Croft's office.

FOREIGN MINES.

LINARES MINES.—The following has been received from Mr. H. Thomas:

LINARES MINES.—The following has been received from Mr. H. Thomas: Linares, Dec. 28.—The Christmas holidays having occurred since my last report, the progress made during the past week has been small, and no material change has taken place in the appearance of the various operations. In the 55 fm. level, driving west of San Anton winze, we have a good branch of lead, worth about 2 tons in a fm., and west of the winze the lode contains occasional lumps of lead. Each of these ends is extending from this winze 10 ft., we are of opinion, on the south lode, leaving what we hope we shall find the last standing on the north, as was the case in the back of the 45. Wilson's shaft has been aunk 1 fm. 10 in. for Dec.; the appearance of the lode is very favourable, and worth 4 tons per fm. The tribute pitch east of La Manca having run out to-day, we have delayed setting it again till the men have got their ore to the surface, the quantity broken being so considerable that we hesitate fixing the price of a new bargain till we can form a better judgement by inspection of the quantity broken. In other respects, I have at present no change to report in the prices of the tribute pitches, which, as you were advised, mostly were set for two months, or to the end of Jan. I have set the walls of the house for the reverberating furnaces to build at \$200 rls. (\$242); the roof, chimney, and furnaces, will form a separate agreement. On Monday, the masons begin this, to us, most important work.

Stock account: Ore in stock at Linares, Dec. 21, 178 tons; weighed in, December 28,

most important work. Stock account: Ore in stock at Linares, Dec. 21, 178 tons; weighed in, December 28, 13 tons 9 cwts.; remaining at Baylen, 11 tons 4 cwts.; ditto at Seville, 69 tons 17 cwts.; at Malaga, 59 tons; on board ship, 126 tons 10 cwts.: total 458 tons.

ROYAL SANTIAGO MINING COMPANY.

The half-yearly meeting of shareholders was held at the offices, Broad-street-buildings, on Wednesday, the 8th inst.

The Baron De Goldsmid in the chair.

The half-yearly meeting of shareholders was held at the offices, Broadstreet-buildings, on Wednesday, the 8th inst.

The Baron De Goldshin in the chair.

After the minutes of the former meeting had been confirmed, the Secretary read the following report of the directors:—

The directors had the pleasure to report to the proprietors at the last meeting, that a discovery had been made of a large lode in the Perseverancia (a newly-acquired persenencia), which yielded 12 to 14 rons of ore per fathom, and from the promising indications, the manager expected there would be an immediate abundance of orc. On opening the lode several fathoms east and west of the cross-cut where the discovery was made, slides were encountered which greatly altered these expectations. The workings have been uninterruptedly carried on with the utmost vigour, laying open the ground in length and in depth; and, notwithstanding the broken character of the lode by the slides, the quantity of ore which has been extracted during the first six months' operations has not been more than 300 tons short of the estimate which was made soon after the discovery. The workings in progress show the veins are becoming less disordered, and more uniformly orey in depth. A commencement was made, in March, to extract the ores from this mine, and in the half-year ending 31st August, which forms the somi-annual account submitted at this period to the proprietors, 900 tons have been obtained, and 21 tons of precipitate. Of this quantity, 262 tons arrived in the Sunbeam, and were sold at the ticketings, producing nett 2011, 13s., and the 21 tons precipitate netted 78st, 7s. 5d. The remaining 674 tons are in Swansea, and will be sold in this month; samples of 426 tons of this quantity, where has a such as a character of the same quality, but are not yet assayed, and the dust ore gives a produce of only 7½ to 8 per cent., but the stone of 21½ per cent. The remaining 24s tons appear to be of the same quality, but are not yet assayed, These ores are, as must, taken him

when the lode is opened more in length and in depth; at the same time, all who are conversant with mining operations know the uncertainty of their results.

The Chairman said, they would perceive that a loss had taken place that half-year of 3117.1 fbs. 4d. Of course, they would draw a natural conclusion that the directors extremely regretted to find there was such a loss, instead of a profit. They had taken the opinion of that mentor of the board, Mr. Taylor, and he did not see how they could have a better one on the subject. By the postscript in the last accounts, they would see that the deeper they went the better the prospects appeared. At 20 or 30 fms. deeper, they might expect that the lode would afford a more satisfactory result than hitherto. He felt confident that the shareholders would not impute any blame to the directors for this result, nor if they anticipated a better one the next half-year. They would recollect that he called their attention on a former occasion to the term "mining" as another word for uncertainty. Their prospects for the next six months were better, certainly; but still they might be deceiving. The quantity of produce was about 300 tons short of what they expected, which was nothing that they ought to complain of, except that the quantity sent home was not of sufficient goodness for the purpose, and ought not have been sent to this country, which was the opinion he expected of Mr. Taylor.—Mr. TAYLOR said, a portion of it only.

The Charleman said, the first accounts showed that this rich varies there is a country to the portion of the second that they varied the first accounts showed that this rich varies the propose.

to this country, which was the opinion he expected of Mr. Taylor.—Mr. TAYLOR said, a portion of it only.

The CHAIRMAN said, the first accounts showed that this rich vein at Perseverancia promised 13 or 14 tons per fathom. They looked for 40 or 50 per cent, but a large quantity of that brought home hardly exceeded 21 per cent.; and a small portion of it was of a much lower per centage, and had much better been left at Cuba. However, they had seen quite enough to induce them to persevere in a trial of this vein, which, in some places, promised extraordinary richness. Had they such a lode in Cornwall, they might have worked it at a considerable profit; for allowing only 5 or 6 tons per fm. in Cuba to be nothing, it would, notwithstanding, form a very rich mine in Cornwall, the expense attending foreign mining being so considerable. He (the chairman) ended by saying that he hoped to show them a better result in the next half-year; and would now propose that the report just read be received and entered on the minutes.—Mr. Ald. Thoanson seconded the motion.

Mr. Taylor said, the baron had alluded to the postscript in Capt. Hoskins's letter, but he objected to postscripts, and would rather have seen that statement in the body of the letter. He seemed by that to have the greatest possible expectations from opening up of this vein, which, indeed, was the sole operations going on in the company's possessions in Cuba. In the other pertenencias they depended upon the workings of the Cobre Company in the immediate neighbourhood; and as they might yet turn out of great value, they did not think it prudent at present to part with them. There was every inducement for them to persevere with this new vein, and he had no doubt they would have a better result next time.

Mr. Birdsex thought the indications were very promising.

The Chairman observed, that all the accounts were open to the shareholders, and the directors told them all that was known to themselves. (Hear, hear.) The report was then adopted.

Dr. Snow was like the r TAYLOR said, a portion of it only.

The CHAIRMAN said, the first accounts showed that this rich vein at Per-

that from the feeling now existing between the two companies, the Cobre Company would think it their duty to let them know of such an occurrence. After some observations from Mr. Lee and others, the Chairman said that the directors had taken care to have enough materials on the spot, to be prepared, in case of any good luck turning up, to commence at once any new operations, but then they must be justified by some more certain indications.

The vote of thanks was then passed to the directors unanimously, and the meeting separated.

meeting separated.

HOLMBUSH MINING COMPANY.

A special general meeting of shareholders was held at the offices of the company, George-yard, Lombard-street, on Wednesday, the 8th inst., for the purpose of taking into consideration a report from Capt. W. Lean, as to future and more extensive operations, and, he being present, to hear from him more particularly what he proposed to be carried out.

W. Chippendale, Esq., in the chair.

The notice convening the meeting having been read, the following elaborate report, from Captain William Lean, was submitted, containing a full account of the present workings, as also his views respecting the future operations of the mine:—

the mine:—

Jan. 6.— Ibag to inform you that it gives us such a degree of pleasurs to hand you the following report of the above mine that we could not previously only; although, whilst in the depths of poverty, we were not at all disconcepts, but preserved, and we hope we that in the depths of poverty, we were not at all disconcepts, but previously only; although, whilst in the depth of poverty of the pover

PETER TAVY AND MARY TAVY CONSOLS MINING COMPANY.

At a meeting of adventurers, held at the offices, Railway-place, Fenchurch-street, on Thursday last.—Henry Gibson, Eaq., in the chair.—The balance-sheet was presented, showing—Cost of working the mine since last meeting, 1421. 12s. 3d., leaving balance in hand in favour of adventurers, 5291. 16s. 5d. It was proposed by G. D. Heatley, Esq., and seconded by C. Bryson, Esq., that the same be passed.

The following report of the committee of management was then re to be paid to the Messra Reddicliffe and Cole's. In conclusion, your committee have only to refer you to your captain's report, which states that he hopes to reach better ground in the bottom of the winze, which is but a few fathoms deeper.

The following is the report from Capt. John Lean :-

Having just returned from the mine, I beg to say that the shaft is stoped down 4 fms.

4 ft. below the 32 fathom level—the ground is without alteration; the lode varies from 12 to 18 in, wide; it is composed of mundic, peach, spar, and good stones of ore. In consequence of the inclination being westward with the cross-course, the stopes now from the eastern end of the shaft are is fi.jin length. I purpose as soon as the shaft is down 5 fathoms, which will complete the sumpment's present bargain, to sink the shaft, independent of the winze, consequently we shall leave an arch of ground between the shaft and winze. I hope we shall soon meet with more favourable ground in sinking, as I am informed that the ground in the bottom of the winze is quite of a different character.

Seatherns, which will complete the sumpmen's present bargain, to sink the shaft, independent of the winne, consequently we shall sow an arch of ground between the shaft and winse. I hope we shall soon moet with more favourable ground in sinking, as I am informed that the ground in the bottom of the winne is quite of a different character. The CHAIRMAN then said—I have now, gentlemen, the pleasure of congratulating you on your present prospects, and must remind you that there was a covenant in the old leases of the Messrs. Cole's, that 100L should be paid down prior to eny ground being laid open, but they nobly consented, a short time back, to allow Capt. Lean to costean over their land, when four men were engaged for a week, and laid open a very promising lode from 3 to 4 ft. wide, with very rich gossan some 2 fms. from surface, when it was deemed advisable to fill up the same, having proved this lode running through their land, and being the master lode of our fortunate neighbours, Wheal Friendship, who are now sending up the best ore from the 40 to the 50 fm. level at Brenton's shaft, the same being within 60 fms. of Cole's land, now our boundary, and also other lodes in their land. When you consider these facts, and that the same was only held for eight years, and at 1-12th dues, it was not to be wondered at, but these gentlemen should require more than what their father had covenanted for some 18 years ago, especially as the committe wished a reduction in the dues; but, owing to their untired exertions, I am happy to say the same has been accomplished, and a shaft will be sunk immediately the spring sets in, when our captain reports the weather favourable, in Cole's land, west of the River Tavy, and adjoining Wheal Friendship. Our engineer, Mr. Rowse, has made his survey, and it gives me great pleasure to inform you that the same can be accomplished by connecting rods from our present wheel, so that you will require scarcely any new machinery, and be proving the ground in two separate shafts. In reference t

CRAIG-Y-MWYN LEAD MINING COMPANY.

CRAIG-Y-MWYN LEAD MINING COMPANY.

A general meeting of proprietors was held at Liverpool, on Friday the 3d inst.—R. N. BROUGHTON, Esq., in the chair,—when the report of operations on the mine during the last three months was read to the meeting by the secretary, and the accounts produced, which showed—Produce of ore sold in December, 3044. 8s.—Mine cost for Oct., Nov., and Dec., 2554. 18s. 8d.: leaving balance in favour of mine, 481. 9s. 4d.

The report recommended the immediate erection of a water-wheel of 20 ft. diameter and 3 ft. breast, to work a new set of crushers (the old ones being found inadequate to the work), and likewise suitable dressing-floors, store-house, and offices, which were adopted by the meeting, and ordered to be proceeded with. The adoption to the several levels of an hydraulic airing apparatus having proved entirely successful, the works have since proceeded without interruption,—6 men on tribute, and about 20 men driving to come under the lodes at a further depth of 30 fms. On the north cross driving the man had just cut into good orey ground, from which some highly satisfactory specimens were produced at the meeting, giving promise of a rich deposit at hand.

To meet the outlay that will be incurred by the erection of the water-wheel, &c., a call of 5s. per share was made, to be paid on or before the 3d February. The report was highly satisfactory, and the meeting broke up, well pleased with the promise of a good and lasting mine.

VEOLAND CONSOLS MINING COMPANY.

A meeting of parties interested in these setts (formerly Plymouth Wheal Yeoland, and Plymouth Wheal Yeoland East) was held at Plymouth, on Wed-Yeoland, and Plymouth Wheal Yeoland East) was held at Plymouth, on Wednesday, the 8th instant, when reports were read from the committees and agents; and it was unanimously decided to proceed with the intended workings vigorously, and above 1000 shares were then taken. It being obvious that a reduction must be made in the dues, a committee was appointed to confer with the landowners thereon. The junction will enable the operations be carried out on a more extended scale; and it is intended to sink a new shaft on the north lode, to the eastward of the present shaft, the present operations being continued; to erect a new engine in a position to pump from both shafts; to form an inclined plane to the 22 fm. level, and annex a drawing machine to the engine; to lay down a tramway from the shafts to the stamparts. shafts; to form an inclined plane to the 32 fm. level, and annex a drawing machine to the engine; to lay down a transway from the shafts to the stamps; to enlarge the dressing-floors; to add 36 heads of stamps to the present engine, and 12 to the new one; and to continue the south add to intersect the new south lode at a distance of about 30 fms.; and it is confidently expected that these mines will then be in a position to return a good profit.—The meeting was also attended by the agents (Capts. J. Lean and J. Eddy); and after hearing various explanations, the meeting was adjourned to the 16th inst., and reparated with a determination to carry on these workings with spirit.—The setts are very extensive, nearly a mile on the course of the lodes, and are known to contain several lodes, both tin and copper; and from one alone between 2000? and 3000?. worth of tin has been raised from the 20 and 32 fm. levels—the largest of these being 70 fathoms. -the largest of these being 70 fathoms.

THE MINING SHARE LIST.

THE MINING SHARE LIST.

Journal, I fear you have, for practical purposes, attempted too much, by subdividing the mines into so many as 12 divisions. Having hourly to consult your lists, I am at a loss now, unless I know beforehand the locale of the mine, where to search for it; and how much more purplexed must an uninitiated person become, who only knows a name, and nothing whatever of the whereabouts. If I may venture to offer advise on this matter, the arrangement I recommend is to divide your mines into four classes, alphabetically, thus:

1. Mines in all the county of Cornwall.

3. All other British mines.

4. Foreign.

And I would not besitate in doing this, for you will, I am guite sure, thereby consults.

4. Foreign.

And I would not hesitate in doing this, for you will, I am quite sure, thereby consule convenience of your numerous readers, and amongst them of Mexcos. eniance of your num MINING APPOINTMENTS DURING JANUARY.

MINING APPOINT MENTS DURING CARVAINT.

Pay at East Crofty, West Treasury, Alfred Consols, and Phoenix United Consols.

North Roskear account, on the mine.

Wheal Buller and Alfred Consols accounts on the mines.

Great Consols account on the mine. Sampling at Consols, United, and other No copper ore ticketing this week.

United Mines account on the mine. Pay at Wheal Buller and Levant.

Pay at Great Consols, Comfort, Cook's Kitchen, Pendarves, Seton, Fowey Contreviskey account on the mine.

[sols. Setting at Levant.

Fast Cordy account on the mine.

Pay at Great Consols, Comfort, Cook's Kitchen, Fendarves, Seton, Fowey Treviskey account on the mine.

Fast Crofty account on the mine. South Tolgus account on the mine. North Pool and other mines sampling. Ticketing at Truro. Devon Consols, and other mines. Pay at North Pool Mine. Pay at Korth Pool Mine. Pay at Tywarnhayle, Treviskey, West Seton, Agar.

Tresavean account on the unine.

Cara Brua and other mines ampling.

Ticketing at Truto—Consols, United, and other mines.

East Crofty setting—pay at Cara Brea, East Pool, Tincroft, Trei

Testerday, William Daniels, described as a civil engineer, and mentioned in nother part of the Journal as having been brought up to Guildhall on a charge forging Wheal Mary Ann mining shares, was again examined. Mr. Fuller, he party defrauded, deposed to the facts of the transaction as previously stated, and Mr. Bunyer, landlord of the "Old Bell," Holborn, proved the receipt of DL by the prisoner, in acknowledgment of which he signed his name "W. D. the party defrauded, deposed to the racts of the transaction as previously states, and Mr. Bunyer, landlord of the "Old Bell," Holborn, proved the receipt of 50L by the prisoner, in acknowledgment of which he signed his name "W. D. Boase." Mr. Boase, who is a solicitor at Liskeard, deposed that he never anthorised any one to write a receipt on his behalf; the letters and signature were very like his handwriting; he knew the prisoner, who was a surveyor in Cornwall, and sometimes did business as a mining sharebroker. It appeared that there were two other cases against the prisoner of attempting to obtain similar sums, in both of which he failed. In a third case, however, he obtained 50L in a manner exactly similar to the above. The prisoner was again remanded, in order to complete the swidence against him.

Coals you India.—The Home and Finance Committee of the India House will be ready, on or before Wednesday next, to receive tenders for 4500 tons of coals, to be delivered at Aden, on the southern coast of Arabia. On Tuesday next the Lords of the Admiralty will receive tenders for 3000 tons of Welsh coals, for the Government steam-vessels; and on the 28th, for 3500 tons for Pernande Po; Loando. 8000; Sierra Leone, 2600; and Ascension, 2000 tons.

Current Prices of Stocks, Shares, & Metals.

MINES.—The business of the week has been characterised by a remark-Mixes.—The business of the week has been characterised by a remarkable degree of steadiness, both in the way of inquiry and purchases of mining shares, and the sums constantly invested are to an amount hitherto unknown, so far as British mining is concerned, as well as upon a sounder basis. Capitalists begin themselves to study and appreciate the phases of a particular mine, whether already paying dividends or approaching them; and it is to be hoped that a similar caution will be exercised towards all the new projects which the state of things described, in conjunction with an easy money market, naturally originates. We may mention, as an interesting fact, that within two months the advance in Devon Consols has been nearly 600, per share, and all other first-rate concerns in proportion.

In the Metal Market there is a considerable demand for Les has increased in price.—Tin has also improved: much inquired for, with limited supply.—Copper very firm.—A moderate business has been done in Spelter.—A rise in the price of tin has taken place at Hamburgh.

The South Friendship Wheal Anne has sold 31 tons of black tin, at

46l. 7s. 6d. per ton.
The Drake Walls Mine sold 12 tons of tin at 44l. 10s. per ton, and 7 tons

The Brake Walls state sold 12 consorting and 10.5 per ton. The mine is looking much as usual.

The Great Beam Mine sold five parcels of black tin, at prices varying

The Great Sam Aime Sold free parcers of black in, at prices varying from 46. Ios. to 60l. per ton.

East Logylas sold 110 tons of lead ore, at 11l. 17s. per ton; and Frongoch, 80 tons, at 12l. 1s. 6d. per ton.

The produce of the Lisburne mines is computed at 285 tons for Dec., and 282 tons for Jun. The report continues favourable.

The Mold Mines sold 50 tons of lead ore, at 11l. 1s. 6d. per ton.

The Driggith Mine sold 12 tons of lead ore at 13L, and 6 at 9L per ton

The Driggith Mine sold 12 tons of lead ore at 13L, and 6 at 9L per ton. The monthly sale of lead ore from Herodsfoot took place on the 9th inst., when 75 tons realised 12L 3s. 6d. per ton, or 913L 2s. 6d.

Three parcels of lead ore from South Australia were sold at Holywell—28 tons at 13L 10s., 32 tons at 10L 12s. 6d., and 18 tons at 8L 6s. per ton. At the Bat Holes Mine, four men are put to drive a level on Barratt's lode, at 1L 5s. per fm., which will yield 4 cwts. of lead ore per fm. The steam-engine works well. The estimated produce for Dec. is 60 tons. The Glengola Mine (Galway) is doing well. The lot of lead ore sold on the 3d inst. for 70 tons turned out to be 75, at 11L 5s. per ton. In the sinking of Cooney's, or the eastern shaft, they have cut a fine branch of ore. The Colonel's shaft is still very productive, and Paul's gives good promise. The mine was only commenced on the 11th Jan., 1850, and has visibled, up to the 31st Dec., 192 tons 10 cwts.

has yielded, up to the 31st Dec., 192 tons 10 cwts.

At Mill Pool the lode has been cut rich in the engine-shaft, and a pitch set in each end at 1s. in the 1?.

et in each end at 18, in the 17.

At Tregorden the lode in the 30 fm. level is worth 401, per fm.

At Hennock they have cut into the lode 5 ft., which is showing an improvement from the 10 to the 20 fm. level.

At Alfred Consols the stopes in the 70 fathom level are still worth 150%. fm., and the lode in the winze sinking under the 60 fm. level from 140%.

to 160% per fm.
At Nanteos Mines the lode in the 30 fm. level east has improved, and ow yields \(\frac{1}{2} \) a ton of ore per fm. The sampling for the month will be om 35 to 40 tons of ore.

At West Providence, the tin in reserve is valued at 30,000\(L \), which can

be taken away at an expense of 2s, 6d, in 1l., as soon as the machinery is complete for making it marketable.

At Spearne Consols a pitch has been set in the 116, west of engineshaft, to six men, at 2s. 9d. in 1l., and this set of men will break upwards of 200l, worth of tin.

The Warleggan report states that a new lode has been discovered in the The Warreggan report states that a new fode has been discovered in the bottom of the adit, in the south part of the mine. It averages about 18 in. wide, and is believed to go the whole depth of the adit, being viewed as a discovery of considerable importance to the interests of the adventurers. It appears that the lode was left standing in the former workings.

The Mineral Court report states that the lode in the 40 fathom level has been cut through, its size being 6 ft., of which 3 ft. 6 in. is tin work of good quality, verifying the anticipations of the agents as to the increased value of the lode in every succeeding level.

of the lode in every succeeding level.

At East Wheal Rose meeting, at Truro, on Tuesday, the accounts for September and October were presented, showing—Balance from last account. 2633l. 7s. 5d.; ores sold (less dues), 7717l. 19s.; Cargoll adventurers, for water charge, &c., 111l. 16s. 9d. = 10,463l. 3s. 2d.—To costs, coals, and merchants' bills, 5581l. 12s. 1d.; Stannary Court and other taxes, 247l. 11s. 7d.; carriage of ore and coals, 205l. 6s. 9d.; discount on ore bills, 3l. 3s. 6d.—By dividend of 15l. per share, 1920l.: leaving balance in favour of adventurers of 2505l. 9s. 3d.

At the South Wheal Frances meeting, on Monday, a dividend of 16l. per share was declared. The accounts showed—By balance end Sept., 932l. 15s. 5s.; ore sold Oct., Nov., and Dec., 4285l. 3s. 6d.; debts received, 5l. 9s. 6d.—5223l. 8s. 5d.—Labour cost for Oct. and Nov., 1493l. 4s.; merchants' bills, 770l. 19s. 11d.; dues, 285l. 13s. 6d.—2549l. 17s. 5d: leaving balance of profit, 2673l. 11s.; deduct dividend of 16l. per share, 1984l.—Laves belance now; in head. 650l. 11s. leaves balance now in hand, 6891, 11s.

balance of profit, 2673l. 11s.; deduct dividend of 16l. per share, 1984l.—
leaves balance now in hand, 689l. 11s.
A dividend has been declared by Carn Brea of 2l. per share (2000l.)—
the entire amount paid in the course of last year 13,000l.; this is exclusive
of 3000l. expended in erecting a new engine on Burncoose, the eastern
part of the sett. A very fine lode has been recently opened upon.

At the Bedford United meeting, on Wednesday, a dividend of 600l.,
or 3s. per share, was declared. The accounts showed a cash balance of
458l. 5s. 2d., and ore bills, &c., making credits 2067l. 16s. 2d.; estimated
costs for December and January, 1000l.; showing 1067l. 16s. 2d. of receipts over payments. The statement of assets and liabilities showed—
assets 1697l. 8s. 3d. over liabilities. The report of the agent, detailing
the condition of the mine and operations in progress, will be found under
the head of Mining Correspondence.

A special general meeting of Holmbush Mine adventurers was held on
Wednesday, to take into consideration a report from Captain Lean (who
was present), as to more extensive operations at the mine. A statement
of assets and liabilities was presented, and a call of 1l. per share made.
Capt. Lean's report as to the present and future prospects of the mine (inserted in our advertising columns) being considered highly satisfactory,
was adopted. Not less than 30,000l. of ore was stated to be in sight at
the present time.

The Recks and Tesyarhyn United Tip Mines two monthly meeting was

was adopted. Not less than 30,000L of ore was stated to the present time.

The Rocks and Treverbyn United Tin Mines two monthly meeting was held at Manchester on Monday, when the accounts showed—Mine cost for October, 350L 4s. 6d.; merchants' bills, 120L 1s. 11d.=470L 6s. 5d.—By November sale of tin (less dues), 428L 5s. 3d.; leaving loss of 42L 1s. 2d.

—Mine cost for November, 432L 15s. 1d.; merchants' bills, 142L 12s. 4d.=
575L 7s. 5d.—By December sale of tin (less dues), 535L 9s. 2d.; leaving loss of 39L 18s. 3d.; add balance of general account, 185L 9s. 2d., leaves balance now against adventurers, 267L 8s. 7d.—Arrears of calls, 300L

At the Pen-y-Bank and Erglodd meeting, on Monday, the accounts showed—Balance from last account, 598L 9s.—Mine cost for September, 70L 18s. 1d.; for October, 62L 2s. 1d.=133L 0s. 2d.: leaving surplus in favour of adventurers, 565L 8s. 10d.

70f. 18s. 1d.; for October, 62f. 2s. 1d.—133f. 0s. 2d.: leaving surplus in favour of adventurers, 565f. 8s. 10d.

At a special general meeting of adventurers in Wheal Sarah, on Monday, a call of 10s. per share was made, to pay off recent liabilities, and for tuture costs. A special meeting has been convened for the 25th inst., to receive a report from Mr. Murray, on the progress of the workings at the

mine, and to decide on holding a meeting at the mine for general purposes.

The West Wheal Virgin account showed—Balance in hand, 761. 18s. 5d.

The assets are 3481. 12s. 5d., and the liabilities to the end of Decembe The assets are 3481. 128. 5d., and the habilities to the end of Lecember 3701. 9s. 11d.: leaving a balance of liabilities 211. 17s. 6d. The agents' report states that the engine-shaft is being sunk under the 9 fathom level, and will, it is calculated, be down 9 fms. early in February. There is a good lode of tin all the way in working, but the best part of the lode is in the east end of the shaft; and if it proves equally good in extending the level, it is calculated that a good quantity of tin will be raised during the next three months. A call of 5s. per share was made, and a finance committee arcognited.

mittee appointed.

At the third quarterly meeting of the Treloweth Mining Company,
Tuesday, the accounts for the four months ending Nov. showed—Labe
cost, 443l. 16s. 3d.; merchants' bills, 503l. 4s. 7d.; sundries, 43l. 10s.; balar against adventurers at the last meeting, 14724, 14s. 1d.—24621, 14s. 11d.

—By second call, 30s. per share, 15004: leaving balance against adventurers, 9621, 14s. 11d., to meet which a call of 1l. per share was made. By second call, 30s. per share, 1000s. 162. 105 12, per share was made. During the past three months the only operation carried on had been sinking the engine-shaft. The managing agent continues sanguine as to the result of the adventure, and the prospects of the mine remain equally favourable. A report was read from S. H. Thomas, Esq., the manager of the Alten Copper Works, which, after a private inspection of the

mine, is stated to confirm in every respect the opinion of the managing agent. [The report of the committee is given in full elsewhere.]

At a meeting of Trelyon Consols, on Monday, it was determined that the mine should be held in 600 instead of 150 shares. The agents gave a favourable report of the mine, and consider that, if present prospects continue, they will shortly be able to declare dividends. They have a good copper lode in the 60, in Wheal Margery, and an excellent tin lode in the 39 in Wheal Venture, both of which have held for several fms., and present appearances indicate their continuance.

39 in Wheal Venture, both of which have held for several fms., and present appearances indicate their continuance.

At the Wheal Augusta meeting, the accounts showed—Liabilities, including estimated cost for Jan. and Feb., 546l. 17s.—Assets, 17sl. 5s.: leaving balance against adventurers, 368l. 12l. A call of 4s. per share was made, and it was resolved that a steam-engine should be erected as soon as recommended by the agents, with a view to the effectual working of the mine. The report of Capt. Carthew detailed the operations from the commencement in April, and stated that, by the end of the present month, everything will be ready to sink the engine-shaft and extend the levels on the engine lode, after which it is anticipated a good quantity of tinstuff will be raised. The report also stated that there is a fine course of tin in the bottom of the 18 fm. level, west of engine-shaft. There is now about 60l. worth of tinstuff at surface, and stones of tin have, been taken out weighing more than 2 cwts. weighing more than 2 cwts.

At the Yeoland Consols meeting, after reports from the committee and

At the Yeoland Consols meeting, after reports from the committee and agents had been read, it was resolved to proceed with the adventure, and upwards of 1000 shares were subscribed for at the meeting. The junction of the Plymouth Wheal Yeoland, and Plymouth Wheal Yeoland East, which form the present undertaking, will enable the operations to be carried out on an extended scale. Between 2000l. and 3000l. worth of tin

4

ried out on an extended scale. Between 2000l. and 3000l. worth of tin had been raised from the 20 and 30 fm. levels.

At the North Buller meeting, on the 10th instant, the statement of the finances showed balance in hand, 285l. 15s. 4d., and a call of 1l. per share was made. The chairman said the prospects of the mine had greatly improved since the last meeting; the steam-engine would shortly commence working, and several lodes had been discovered in sinking the engine-shaft, one of which contained a good course of grey copper one

working, and several lodes had been discovered in sinking the engine-shaft, one of which contained a good course of grey copper ore.

At the East Balleswidden meeting, it was stated by Capt. Carthew that the engine could be got to work in less than two months. In extending the 10 fm. level west on the engine lode, it was hoped that they would cut the flat lode, when it was anticipated that a great quantity of tinstiff would be raised. The accounts showed a balance in hand of 273l. 17s. 10d., the assets being 316l. 7s. 10d., and liabilities 264l. 10s. 10d.: leaving balance in favored and decreases. 11 Jan. The gents' report was advanced and

assets being 316.7 s. 10d., and liabilities 264.1 los. 10d.: leaving balance in favour of adventurers, 511.1 rs. The agents' report was adopted, and a call of 5s. per share was made, in further prosecution of operations.

At the Wheal Harriet meeting, Messrs. Reid, Knowles, Armitage, Nicholson, and Bellinger, were elected directors. The report was highly satisfactory; the north lode produced a specimen of grey oxide of copper, 50 lbs. weight, of 40 per cent. produce. From the large balance in hand to prosecute the works, there is every prospect of a profitable mine.

At the Pennant and Craigwen Consols meeting, a lengthened report from the directors was read, expressive of their regret that the affairs of

At the Pennant and Craigwen Consols meeting, a lengthened report from the directors was read, expressive of their regret that the affairs of the company had not made the progress that had been anticipated. Owing to an accident to their wheel, the machinery erected for crushing and dresing the ore was for some time suspended, but its working is now resumed, and the quantity of ore on the bank ready for crushing is very considerable. Notwithstanding the delay occasioned by the accident to the machinery, it was deemed advisable to continue the working within the mine; and it appeared that the expenditure for labour and other costs from June to the end of December is 840. Its. 7d.; and in addition, 900. has been paid to the landlord on account of the purchase, the latter having agreed to forego the balance of 340., and the purchase of the lease being thereby completed. To meet this outlay the directors had been compelled to advance the necessary sums out of their own resources, making together 4601, besides 3251, borrowed last March and Agril, as authorised by the proprietors. These advances on the part of the directors are adverted to in the report, in proof of their confidence in the ultimate success of the company, to ensure which, however, "another effort" was required—viz., to make a fresh call of 5s, per share, to extricate them from their present pecuaiary difficulty, and enable them, with the moneys they hope shortly to receive from the sale of ores, to resume working the mine with the requisite energy. Under the peculiar circumstances, the directors have felt compelled to stop all works at the mine, except those necessary or preparing the ore now on bank for market. In future, it is intended that a printed statement of their reports and accounts sloud be placed in the hands of each shareholder prior to the general meetings, in order that he may come prepared to ask such questions as may be deemed necessary. A report from the agent, Capt. Hugh Jones, was read, containing fall particulars as to the state of

The acounts presented at the Craig-y-Mwyn meeting, showed a balance in favour of the mine of 48f. 9s. 4d., the produce of sales of ore in Dec. being 308f. 8s., and the mine cost for three months' working, 255f. 18s. 8d. A call of 5s. per share was made to meet the cost of a new water-wheel, the erection of which is recommended. Some good specimens of ore were exhibited at the meeting, and the report was considered highly favourable. At the Peter Tavy and Mary Tavy Consols meeting, the report of the committee stated that an extension of the leases of the company had been effected, at an outlay of 200f. The previous balance of 672f. 9s. 1d. had been reduced to 529f. 16s. 5d., out of which 200f. is to be paid for the extension of the leases referred to. A promising lode has been laid open, and a shaft will be sunk early in the spring. The agent's report states that he expects to reach better ground shortly in the bottom of the winze. The exertions of the committee on behalf of the adventurers were cordially acknowledged, and sanguine hopes were expressed of the ultimate success of the speculation. of the speculation.

A reference to our Share List will show the extent of transactions A reference to our same List will show the extent of transactions during the week—in many instances, as will be seen, at an advance on previous quotations, while some have slightly receded in price. Among the former may be named Wheal Mary Ann, Devon Great Consols, Tresavean, Treviskey, North Buller, Wheal Union, East Pool, South Wheal Basset, Mill Pool, St. Aubyn and Grylls, and Wellington. In general, the late tendency to a rise in prices has been steadily maintained.

In Foreign Mines business has been done in Australian, Imperial Bra-In Foreign Mines business has been done in Australian, Amperial Brazilian, National Brazilian, St. John del Rey, United Mexican, Alten, and Santiago.—The Marmato Company have declared their first dividend, for for the half-year, of 1l. per share.

A requisition has been presented to the directors of the Australian Mining

A requisition has been presented to the directors of the Australian Mining Company to convene a special meeting, when, we understand, the affairs of the association will be investigated, with the view of an entire alteration being effected in the management.

By the late advices from Australia, we learn that another dividend of 10/. (200 per cent.) has been paid by the Burra Burra Mine. The smelting operations of Messra Schneider, at Roomiga, are carried on with activity, yielding, it is said, about 50 tons of copper a week. The only mine in the colony which has declared any dividend, besides the Burra Burra, is Wheal Margaret (silver-lead), on the Paringa property, on which 20 per cent. has been declared. Two furnaces are kept at work at Kapunda Mine to reduce the poor ores; at the works of Messrs. Schneider seven smelting and two refining furnaces are in work. Mining speculation is active in the colony, though in some instances it would appear to be far from being legitimately carried out.

The Linares weekly report notices no new feature in the operations.

The Linares weekly report notices no new feature in the operations. Wilson's shaft was sunk 10 fms. during December, and the indications of the lode are favourable, it being now worth 4 tons per fm. On account of the quantity of ore already broken, the setting of the tribute pitch is delayed until the quality of the ore is ascertained. The erection of the contemplated works for smelting was about to be commenced when the report was forwarded. The amount of ore in stock, as will be seen is 458 tons.

The report read at the Royal Santiago meeting, which will be found in another page, states that there is a loss on the operations on the last half-year of 31171. 16s. 4d. The cost of the mine had amounted to 91041. 15s. 2d., another page, saces man after a water that a mounted to 9104. 15s. 2d., and the proceeds, including the interest on money lent on security, 5986l. 18s. 10d. The quantity of produce was about 300 tons less than had been expected, and the quality was, generally speaking, inferior. The report of Captain Hoskins, however, was strongly in favour of continued operations at Perseverancia, of which the lode in some places promised extraordinary richness. The mines of the company are within a very short distance of the Cobre, which are stated to be working at great profit; and it is yet believed that the ground held by the Santiago Company may prove similarly productive, more especially when they had gone deeper than at present. The Chairman, Baron de Goldsmid, expressed a hope of a more flavourable result for the next half-year, their prospects being, in his opinion, decidedly better. The report was adopted by the meeting. avourable result for the next half-year, their prospects being decidedly better. The report was adopted by the meeting.

HULL, Thursday.—Messrs, T. W. Flint, and Co., state that during the week there has been a limited amount of business done in mining shares, but prices have-been steadily maintained. There has been some little falling off in the demand for Wellingtons and Tremaynes, and rather lower prices have been submitted too. The report and the dividend of the Bedford United Company have given satisfaction, but the price has not advanced. West Providence are rather more sought after; Trefusls and Gustavus neglected; West Tolgus, Suctuating, done at 7½ to-day. Railway shares have been without maturial change, and the business done has not been to a very large extent.

LATEST CURRENT PRICES OF METALS.

LONDON, JAN	VUARY 10, 1851.
Bar, bolt, & square, London	Tile
Sheets (singles)	ENGLISH LEAD. 9
Refined metal, Wales 3 8 0-3 10 Do. antiracites 3 10 0-5 Degs in Wales 3 0 0-3 15 Do. do. forge 2 5 0-2 10 Do., No. 1, Clyde set cash 2 Blewitt's Fatent Refined Iron for bars, ralls, &c., free on board at Newports 3 10 0 Do., do., for tin-plates, boller plates, &c., ditto 4 10 0 Stirling's Patent 7 in Glasgow 2 15 0 Toughened Pigs in Wales 3 10-3 15 Staffordshire bars, at the works 6 0 0	Pig per ton 17 10-18 0 Sheet 18 10-19 0 Pipe 19 0 0 Red lead 19 0 0 White ditto 24 0 0 Patent shot 20 10 0 Patent shot 16 10-17 0 ENGLISH TIN. 6 Block per cell 4 3 0 Bar 4 4 0 Refined 4 9 0
Rails	Banca, H. C 4 4-4 5
POREIGN IRON. 8 11 10-12 10	Ditto, for Export only 4 %-4 4
FOREIGN STEEL.c Swedish keg	Plates, warehoused - per ton 16 7 6-16 10

2

Terms.—a, 6 months, or $2\frac{1}{2}$ per cent. dis.; b, ditto; c, ditto; d, 0 months, or 3 per c dis.; c, 6 months, or $2\frac{1}{2}$ per cent. dis. : f, ditto; g, ditto; h, ditto; f, ditto; k, net cash f, 6 months, or 3 p. ct. dis.; m, net cash : m, 3 months, or 1 $\frac{1}{2}$ p. c. dis.; o, ditto, 1 $\frac{1}{2}$ dis.

Cold-blast, free on board in Walcs.

Welsh Bass remain unaltered, but very firm—there are few sellers under 51.

Scotch Ptes have been inactive this week, and transactions have taken place to only limited extent, and for immediate wants.

Lead.—The market has advanced 5s. to 10s.; there is a large demand, and but a mitted supply.

LEAD.—The market has advanced of the volume to the fill rates of last week are obtainable; the quantity offering is very small, and entirely at second hand.

ENGLISH TIN.—The smelters continue to decline offers, but a few parcels of bar blocks at second hand have been sold at the quotations. No refined is to be had, than at an advance, which inconveniences the tin-plate manufacturers considerably.

TIN-PLATES are very firm, and a good business is doing.

COPPER is firm, and unaltered.

SPELTER.—About 600 tons have been sold this week at 161. per ton, part on the spot, and part to agrice.

and part to arrive.

GLASGOW, JAN. 9.—Our pig-iron market has been very quiet this week, and but little business has been done; there are, however, considerable orders on hand for iron to be shipped, but there is a great scarcity of vessels. There was more disposition to purchase to-day, and warrants for mixed Nos., good brands, free on board here, may be quoted 44s. dd. to 46s. per ton. net cash; Gartsherrie, No. 1, 46s. per ton. Malleable continues very firm, and the works are fully employed.

THE METAL TRADE DURING THE PAST YEAR.

SIR,—The year just closed, although it has not been marked by any extraordinar fluctuations in price, or speculative excitement in the metal market, has yet been found to produce a fair amount of business, marked by that caution and circumspection which passing events have rendered necessary. Doubtless we live at an important period; established usages are no longer sacred; privileges and partialities in trade can no longer be expected; energy and superior skill must alone win the day; the object henceforth is to produce the best material at the cheapest rate, and whilst provisions, conveyance, and communication are all rendered lower, it is not unnatural to anticipate corresponding results in inanufactures. It should not be, therefore, any source of dissatisfaction or uneasiness if we are not enabled to report those prices which, under a different system, were found occasionally to exist; it is its rather a matter of consideration, whether we are not really better off at its commencement than when figures were necessarily high. As far as the metal market is concerned, the year 1851 has commenced, with hardly an exception, under very favourable auspices, especially for British goods; and it is gratifying to observe the essential and excellent reforms which have been effected in the iron trade, and which cannot fall to add to its advantages, and tend to make this important branch of commerce really beneficial in its operations to the country at large.

The Ison Market, at the commencement of 1850, had been the subject of a very lively demand, under the expectation of prices receivering the effects of previous disasters, and very large orders were entered. It soon became evident, however, that the production was progressing too rapidly; and are-action, more extensive than previously, was threatening. The heavy shipments of 1849, accumulating stocks in India, the uncertainty of American legislation, and the unsettled state of continental matters, have also had their influences, and rendered makers and shippers more wary in their operations. The market, however, has at length been gradually smoothed down, and accommodated to these combined influences; and I am enabled to report steady and inproving prices. A very considerable reduction has also been effected in ma to produce a rail amount of oranges, minerally state of state and interest which passing events have rendered necessary. Doubtless we live at an important period; es-tablished usages are no longer sacred; privileges and partialities in trade can no longer

Sheets. $\pounds 8$ 12 6 to $\pounds 8$ 2 6 Hoops. 7 0 0 to 7 10 0 less $2\frac{1}{2}$ per cent. free on board Nail Rods. 6 0 0 to 6 10 0 in London. Bars 6 12 6 to 7 0 0

the plan of taking storekeepers' warrants only in exchange for their cash, as the only safe and natural method of doing business.

Present price, mixed numbers. 44s, 3d, net cash
Ditto ditto... 45s. 6d. 3 months' open delivery f.o. b. in Glasgow.

ditto... 45s. 6d. 3 months' open delivery f.o. b. in Glasgow.

The market during the year has suffered from the above circumstances, as well as the uncertainty of the roal position of the trade. As this alteration, however, became evident, greater confidence was encouraged; and this article now bids fair to offer a safe investment for capital. The prices have not fluctuated to any great extent since Feb. and March last, when they had fallen from 49s. to 44s. A moderate amount of business has since transpired at prices between 44s., 42s. 6d., and 45s. The shipments from Glasgow, Ayrshire, and the eastern ports, consist of 234,655 tons, showing a decrease from 1849 of 50,467 tons. This decrease is found to the extent of 18,607 tons in foreign exports, and the remainder constwise. The stock is supposed to consist of 273,000 tons—being an increase upon last year of 83,000 tons. Taking the low estimate of the exports into consideration, and the fact that we have now a great deal of iron in store, in the place of more makers' undertakings for the delivery of the same, we can easily make up for its apparent increase; but it must be remembered, as I have before stated in the Mining Journal, that it is far more satisfactory to observe the real stock of iron in store than to have a smaller stock of iron, and an anknown quantity of scrip donting in the market. The increased demand for rails and bars has also given the Welsh pig market a more animated appearance, and good business has been done. The present price is 3J. 5s. per ton, net.

Swedent laws has fetched fair prices. The stock is low—say, about 300 tons; prices

H Iaon has fetched fair prices. The stock is low—say, about 300 tons; prices mm 124, 10s. to 114, 10s.; up to the present quotation, 124, per ton, landed. The

31. So, per ton, net.

Sweddiss Ison has fetched fair prices. The stock is low—say, about 300 tons; prices ranged from 121. los. to 111. los.; up to the present quotation, 121. per ton, landed. The holders are farm.

Sweddiss Rec Syreel has been in moderate demand; and the supply has not been in excess. Prices paid have been 141, 141. los., and 14s. los. Holders are not anxious to sell. Spears, has been the subject of a great deal of business, and very large parcels have been continually changing lands. The year commenced with a lively marked at 164. 2s. 6d. for arrival. A briak speculation rapidly brought the price to 171., at which price a good quantity was sold for spring delivery. After reaching 171. los. on the spot, a re-action occurred in March and April, bringing the prices down to 161. 5s. Towards the latter end of summer, prices again improved, and purchases were made for delivery next spring from 161. up to 161. 7s. 6d. in large quantities, and the price on the spot advanced at a corresponding rate. This state of this jake not, however, been maintained; and with an increasing stock, prices have again receded; and re-sales for spring delivery have been made at 161. There is some inquiry at present at this rate, and a very slight in reach well as the summer of the price of this metal, both here and on the continent, encourage us to anticipate a fine extensive demand than hitherto. The stock on the 1st instant consisted of 6827 tons. The stock on its January, 1846, was about 6800 tons, and the price 201.

This has figured in a very active manner since the commencement of the year. A smart speculation in the early part succeeded in bringing the price of Banca from 80s. to 662, at which latter figure a very considerable quantity was taken up. English also advanced from the same cause to 86s. for bars, and 85s. for block; the stocks became concentrated in a few hands. A want of shipping demand, however, produced a gradual decline in prices, until alses of Banca were made at 70s. The gradual withdrawal of n

English Bar Tin£84	0	0	per Ton)	
,, Block 83	0	0	" (less 24 per cent. free on board in London.
East India, Banea 85	0	0		in London.
Straits 84	0	-0		

COPPER was advanced id. per ib. at the commencement, bringing tough cake to 881. 10s. and reduced again in June; a further reduction of id. per ib. was made in August wing to the accumulation of stock. An initimation of an intended advance brought a reat number of orders for sheathing into the market, and the standard was at length alsed id. per lb. in October, at which prices the market is steady, viz.:—

P.S.—Since writing the above, 100 tons Spelter, per spring shipment, have sold at 161.5s. The market is again looking up on 'Change.

THE SCOTCH IRON TRADE.

The iron trade of Scotland has, during the past year, been marked by circumstance which have excited a good deal of attention in the commercial world. From the official The iron trade of Scotland has, during the past year, been marked by circumstances which have excited a good deal of attention in the commercial world. From the official tables, we find that the total shipments have fallen off, made up in part by an increased district consumption. The make, also, has been considerably reduced during the year, owing to the strike last summer, and the addition to stock has been, consequently, leas than in 1849. The present stock, however, though heavy, has had no great influence on prices, owing to increased facilities afforded to merchants and speculators by the banks, and the diminution of scrip in the market. For some time past there has been a growing dislike to the system, and the English iron merchants have declined for a considerable pariod to operate on it. Several meetings of the trade have been held to substitute a more satisfactory mode of doing business, and store-keepers' warrants are consequently more in demand. The results of the year, compared with 1849, show the production of manufactured iron to be nearly the same in both years, with a decrease of 52,000 tons of pig-iron. This is accounted for from the irregularity of working the furnaces, through the strike above referred to. Notwithstanding the increased stock of pig-iron, 273,000 tons—in 1849 only 190,000 tons—the with-farwal from circulation of a large quantity of scrip has already very much reduced the available iron in the market; and should the scrip system be permanently discontinued, there is little doubt that when speculators have satisfied themselves with their dealings in pig-iron, the practice in use previous to its introduction will be resumed, and the into trade conducted on principles similar to other branches of commerce. From July to December, the prices ranged from 44s. to 42s.; the present prices may be quoted 44s. to 44s. 6d., for all good brands free on board, ex-makers' stores, and 44s. 9d. to 45s. 3d. ex-storekeepers' yards; American brands, 6d. to 1s. 6d. higher: Forth from, 44s. 6d. to

chased by enterprising parties, are expected soon to be in operation. The following is the quarterly statement for the three past years:—

Furnaces in Blast Jan. April July. Oct. Dec. 1848 85 93 101 103 1849 104 108 110 112 113 1849 110 104 108 110 112 113 1850 116 110 75 92 105

The total production of the year is estimated at 630,000 tons, being a decrease, as compared with 1849, of 62,000 tons. The principal exports have been—to France, 10,491 tons; Germany and Holland, 31,149 tons; Denmark, Sweden, and Norway, 7912 tons; Italy, 6502 tons; Spain, 4116 tons; United States, 57,500 tons; British America, 10,091 tons; South America, 1645 tons; Australia, 1680 tons, &c. The produce of malicable fron in Scotland was—in 1846, 35,000 tons; 1846, 45,000 tons; 1847, 69,000 tons; 1848 90,000 tons; 1849, 80,000 tons; and 1850, 78,000 tons.

The last accounts from Glasgow continue to refer to the measures in progress for the abolition of the acrip system, which, however, are not yet at maturity. With regard to manufactured iron, there is every probability of an increase, as Scotch bars are now finding their way into all the markets of the world. The demand for plates and sheets is very large and increasing, and the makers decline to take orders, except at an advance. The

dig, and the makers decline to take orders, except at an advance of is, no doubt, attributable to the number of Iron ships now build

EXPORTS OF METALS TO ALL INDIA FROM LONDON AND LIVERPOOL, FOR THE TWELVE MONTHS OF 1849 AND 1850.

Metals.	1849.	1850.	In.	in I	850.	Dec. in	1850.
Spelter Tons	4041	 3147	 	_	****	. 694	
Copper							
Iron, British	37448	 53718	 1	6270)		
Ditto, Foreign	2320	 1678	 	contra		. 642	
Tin-plates	14832	 20701	 	5869			
Lead	3230	 4056	 	826			
Steel	990	 1107	 	117			
Quicksilver Bottles	407	 55	 	-		. 352	
CODES OF MERCHAN	-	 7737.4	 		om m	111D 32D	1 700

PORTS OF METALS TO	ALL INDIA AN	D CHINA	FOR THE LAST	FOUR YEARS.
Metals.	1850.	1849.		1847.
Iron, British				
Ditto, Foreign				
Steel, British				
Copper				
Tin-plates				
Lead				
Spelter				
Quicksilver	Eottles 55	**** 407	1942	7329

The Board of Trade returns, just issued, furnish the imports and exports of metals for the month ending the 5th Dec., as well as the corresponding month of last year. It will be seen from the subjoined account, which refers to British and Irish produce and manufactures only, that the exports of all articles have been carried on upon a greatly increased scale. Of all descriptions of copper the exports are, for the month, 39,330 cwts. in 1850, acquires 39,340 cwts. in 1850, acquires 39,340 cwts. in 1850, against 32,934 cwts, in 1849, and 27,342 cwts, in 1848, whilst iron shows a proportionate increase—the total figures being, 1850, 52,856 tons, 1849, 48,718 tons; 1848, 34,872 tons. These results are also fully borne out by the figures for the 11 months ending with the same date:—

	EXPORTS-MONTH ENDED DI	EC. 5.				
Metals.	1848		1849.		1850.	
Iron, pig .	Tons 6774		10159		10195	
. bar.	bolt, and rod		27848		30012	
			291		249	
	939		1482		1520	
wron	ght of all sorts 6785		8938		10880	
	rought 481		712		815	
	bricks and pigs Cwts. 9886		12753		14291	
"	sheets, nails, &c. &c. (including mixed or yellow metal for \$14752 sheathing					
**	wrought of other sorts 2704		1660		1628	
	sorts 1661				4737	
Lead			993		2688	
Tin, unwro	ught Crots. 1164		1349		1709	
Tin-plates	£38,814	£	47,160	£	68,512	
of metals o	f colonial and foreign origin the					8

... 279 ... 398 ... 59 ... 28 Tin, in blocks, ingots, bars, or slabs Cuts. 148 . . 444 84

The returns of imports, both for the month and the 11 months, show that the introduction of foreign and colonial produce continues on a large scale, especially as regards copper and tin. The returns are as under:—

| IMPORTS - Month ended | Dec. 5. | Metals. | 1849 | 1849 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840 | 1840

The following return shows the value of mineral produce of English origin exported in the month ending Dec. 5, 1848, 1849, and 1850:—

	1848.	1849.	1850.
Alkali	£24,439	£21,348	£28,295
Salt	23,266		
Coals and culm		68,937	91,386
Earthenware	46,679	. 63,563	81,852
Glass	14,357	23,729	25,687
Hardwares	144,474		224,456
Machinery			
Iron and steel			
Tin	43,491	52,387	75,072
Total	£723,197	£867,357	£969,040

foreig	p following is the value of exports chiefly of English, but partly of origin:— 1848. 1849. 1850. 20pper and brass
	Together £129,783 £175,206 £233,940
Of	articles coming into competition with our mining interests the in
ports	Werc— 1848. 1849. 1850, Brimatone 27bs 1105 2359 894 Barilla and alkall 91 275 151 ron in bars 2852 1558 2750 steel 4 162 4 .ead 205 498 137 Th 46 42 50
Of	other mineral produce the import has been as follows:-
	Topper ore, &c. 1849, 1850, 18

MONKWEARMOUTH COLLIERY .- Considerable excitement has been occasioned in Sunderland, in consequence of the guardians having represented the spontaneous combustion of the pit heap at this colliery as a nuisance, and the spontaneous compustion of the pit heap at this colliery as a nuisance, and the the vestry having decided to compel the owners to remove it. This colliery pays from 1600l. to 2000l. per week in wages—one-third of all the rates and taxes of the parish; employs 1200 men and boys, and, in addition to the enormous sum sunk in winning the coal, the proprietors have expended upwards of 50,000l. in improvements. If the decision to remove the heap is persevered in, it is said the expense will be ruinous, and the suspension of the workings must inevitably follow.

Manual ways Version Bernard.

must inevitably follow.

MADRID AND VALENCIA RAILWAY.—The further prosecution of the inquiry into this company's affairs is appointed to take place next week.

ZINC.—The German Customs-Union is the most important country in the world in reference to the production of zinc. The chief supply of this important metal is from Upper Silesia, and amounted in 1848 to 361,931 cwts.; in 1849, to 452,546 cwts. of unwrought zinc. The zinc plate produced in the above years amounted, in 1848, to 14,950 cwts.; and 1849, to 19,558 cwts.; these ores, as also the processes adopted in the smelting, cleansing, rolling, and casting, are very peculiar. The Royal mines, at Königshütte, will furnish samples of specimens at the Great Exhibition, of the red and white calamine, as well as wrought and unwrought zinc. Bredt and Co., of Stollberg, will send samples of Rhenish zinc, the raising of which amounted, in 1848, to 36,055; and in 1849, to 39,610 cwts. Joseph Cosack, of Arnsberg, sends samples of the Westphalia zinc ores, of which 26,611 cwts. are annually raised.

LEAD ORES.

TICKETINGS FOR ABOUT 100 TONS LAXEY LEAD ORE.

Douglas, Iste of Man, January 4.	-		
Bidders.	Price	per	Ton.
Walker, Parker, and Co.—Dee Bank (purchasers)	. £21	7	6
Mather and Co.—Bagillt	. 20		0
Newton, Keates, and Co.—Bagillt	. 20	5	6
John P. Eyton-Llanerchymor	. 20	3	0
J. H. Meredith (trustee of late J. T. Treffry) Fowey Con	. 21	Ĩ	6
Famar Smelting Company—Beeralston	. 18	13	0
Thomas Somers - Bristol	. 20	1	6
Sims, Willyams, Nevill, and CoLlanelly	. 20	3	6
Pontifex and Wood-London	. 20	8	6
Locke, Blackett, and CoNewcastle		5	0

Mines.	Tons.	Price per Ton.	Purchasers.
East Logylas Frongoch	80	12 1 6	Sims, Willyams, & Co.
S	old at the Mine, on t	he 6th January.	
Driggith	12	£13 0 0	Locke, Blackett, & Co.
ditto	6	9 0 0	ditto
Ticketings at the	White Horse Hotel,	Holywell, on the	oth January.
Maesyrerwddu (Talargoch M	fine) 54	£11 4 6	Walker, Parker, & Co.
Coetia Llys ditto			ditto
Hendre			ditto
ditto			ditto
Deep Level (Halkin Mines)		10 15 6	ditto
Talacre		12 3 6	J. P. Eyton.
Lloe		12 1 6	Newton, Keates, & Co.
South Australia	32	10 12 6	Walker, Parker, & Co.
disea		19 10 0	Newton, Keates, & Co.
ditto			

BLACK TIN

Mines.												r Ton.		Am	oun		
Great Beam															£101	2	4
ditto	 	 		 	32	2	4	 	 	. 59	()	0		 	95	19	7
ditto	 	 	 ••	 	37	3	2	 		. 52	10	0		 	99	2	-
ditto	 	 	 	 	16	0	17	 	 	47	10	0		 	38	7	5
ditto	 	 	 	 	4	0	10	 		46	10	0		 	9	10	1

[In your last quarterly return you state the quantity from this mine to be cwts. 1 qr. 20 lbs., amounting to 605, 16s. 6d.—whereas it ought to have been 7 qr. 9 lbs. more, amounting to 2111, 10s. 1d. I omitted to send you the sales for

Mines.	Tons.	Price per Ton.	Purchasers.
East Crowndale	11	£44 15 0	Bissoe Company
ditto	1	. 24 0 0	Calenick Company
South Friendship Wheal Anne.	31	. 46 7 6	Calenick Co. & Williams
ditto South Friendship Wheal Anne. Drake Wails	6	. 44 10 0	Union Smelting Co.
ditto	34	. 40 10 0	6itto
ditto	6	. 44 10 0	Enthoven & Co.
ditto	31	. 40 10 0	ditto

COPPER ORES

Mines. 2	Tons.	F	ric	e.	Mines.	Tons.		Pric	æ.
	102	£4	11	6	Wheal Buller	48	 £5	11	0
ditto	90	4	6	6	Par Consols	84	 . 7	19	0
ditto	85	6	6	6	ditto	80	 9	6	0
ditto	83	3	15	6	ditto	79	 7	14	6
ditto	77	10	16	0	ditto	59	 10	2	0
ditto	72	7	0	6	Alfred Consols	87	 7	2	G
ditto	33	4	6	0	ditto	76	 - 5	11	0
ditto	40	2	10	6	ditto	415	 6	17	6
ditto	32		9	6	Levant	96	 2	11	6
	126	3	19	0	ditto	54			0
ditto	96	3	2	0	ditto	50		12	0
ditto	80	5	7	0	Wheal Agar	46	 4	17	6
ditto	45	9	13	6	Hawk's Point		 2	13	6
ditto	32	2	1	6	South Wheal Speed	21	 3	16	6
ditto	30	2	2	0	ditto		 16	0	0
Wheal Buller	105	3	7	6	Cook's Kitchen		 7	5	6
ditto	96	13	1	6	Evans's Slag			0	0
ditto	61	8	3	6	Trelyon Consols		 5	7	6
ditto	51	5	0	6	Wheal Towan	20	 2	2	0

TOTAL PRODUCE.

Amount of Money £13.959 15 6 LAST SALE.—Average Standard.....£110 10 0.—Average Produce..... Standard of corresponding sale last month, 102/. 6s .- Produce, 8.

COMPANIES BY WHOM THE ORES W					
And the second s	Tons.	Am	onr	17.	
Mines Royal	51	£358	6	4	
Vivian and Sons	425	1856	10	1	
Freeman and Co	73	462	0	0	
Greenfell and Sons	442	2335	9	0	13
Sims, Willyams, and Co		1752	16	4	
Williams, Foster, and Co	544	4776	4.	9	
Schneider and Co	223	1257	8	6	r
Mason and Elkington	179	1161	8	6	
the same and the second	CEUT (Service)				
Total tons	2325	13.959	15.	-60	

Copper ores for sale on Thursday week, at the Boyal Hotel, Turro.—Mines and P. Maria, Deron Great Courols, Wheal Josish, Wheal Maria, 1912—West Caradon 397—Fowey Consols 256—Wheal Friendship 191—Fold 141—Bedford United Mines 136—Wheal Maiden 24—Wheal Jewei 11—Wheal Mary Coslo 5.—Total quantity of ore to be sold, 2015 tons.

At SWANSEA, for Sale January 21.—Cobre, 802—Cuba, 340—Santingo, 305—West Kaw aw, 379—Xnockmahon, 160—Kaw-aw, 104—Ballynos, 42—Paringa, 40 — 2173 tons.

PRICES OF MINING SHARES.

It being difficult to obtain a correct knowledge of all the mines in our list; we trust that agents, and others interested, will assist us, by forwarding any additions, or corrections, with which they may be acquainted—our object being to present it as accurate as possible. We have also added a column to note the actual business transacted; but which, without the constant assistance of brokers and agents, cannot become se complete as we could wish. The desirability of such a record is generally admitted, and we invite the exponents in or all parties concerned, in redecing it purified.

	plete as we could wish. The desirability of such invite the co-operation of all parties concerned, in	ren	ord is dering	generall; it perfec	y admitt t.	ed, and w
	hares. DEVON DISTRICT.			Last Pric		
	000 Bedford United (copper), Tavistock 280 Birch Tor and Vitifer (tin), Dartmoor	10		. 4	****	61 61 7
1	1024 Borringdon Park (silver-lead), Plympton 1500 Bridford Wheal Augusta (lead), Bridford 1040 Devon and Courtenay Consols (copper)			g 1000	****	2 14
	040 Devon and Courtenay Consols (copper). 024 Devon Great Consols (copper), Tavistock 768 Devon Great Tincroft, North Bovey	. 1	****	260		270 280
	250 East Birch Tor (tin), North Bovey 048 East Crowndale (tin), Tavistock	3		. 3	****	
4	000 East Gunnis Lake Junction (copper)	1		. 1	****	14
2	048 East Wheal George (cop.), Walkhampton 512 East Wheal Josiah (copper), Tavistock 500 East Wheal Russell (copper), Tavistock	1	***	. 10	****	2
114	200 East Wheal Russell (copper), Tavistock 224 Exmoor Eliza (copper), South Molton	2		68	****	-
1	500 Hennock (silver-lead), Hennock 024 Kingsett and Bedford (lead and copper)	2		34 34	****	21 25
1	742 Lambercoe Wheal Maria (copper & tin) 200 Nap Down (silver-lead), Combmartin	13	****	12		114
1	124 New East Crowndale (copper and tin)	2	****	2	****	
	North Wh. Robert (copper), Walkhampton Peter Tavy and Mary Tavy (copper) Plymouth Wheal Yeoland (tin), Plymouth	0.8	****	10 12	** **	8
	148 Runnaford Coombe (tin)	30	****	28 30	****	
	Tamar Consols (silver-lead), Beeralston South Molton (lead)	124		124	****	51 6
	924 South Plain Wood (copper), Ashburton 90 South Tamar (silver-lead), Beer Ferris	3	****	10 24		2 21
10	7 Tavy Consols (copper), near Tavistock West Downs (copper and tin), Whitchurch	8 2	****	24	** **	
	24 West Wheal Friendship (copper) 60 West Wheal Russell	3		1 14	** **	
. 2	70 Wheal Adams (load), Christow, Exeter	194		16	****	
10	56 Wheal Benny (copper), Calstock	3		54 61	****	31
17 2	94 Wheat Franco (copper), near favistock	134		12 14	****	10 12 14
	26 Wheal Friendship (copper)	120		120	****	
	00 Wheal Langmaid (lead)			1 2 2 4 1 4 2	****	1 2
	Wheal Mary Ann (copper), Bridestow Wheal Providence, South Sydenham		** **	1 1 2		2 4
10	24 Wheal Russell (copper), Tavistock EAST CORNWALL DISTRICT.	4	****	4 44	****	
96	FOWET, CALSTOCK, LISKEARD, ST. AUSTELL. 50 Bawden (silver-lead)	1		1.1		
10	24 Bodmin Consols (lead), Wadebridge	4		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
-	Bodmin Moor Consors (tin and copper) Bodmin Wheal Mary (tin)	5	****	61 8 9	** **	
10	00 Calstock United (copper), Callington	20		6 64	****	9
11	of Caradon Great Cons. (cop.), Linkinhorne Garadon Vale (copper and lead), St. Iva Carthew Consols (cop. & lead), Wadebridge	7		3 1 å	****	17
30	Carthew Consols (cop. & lead), Wadebridge Combiawn (lead), Callington			7		.,
10	00 Coombe Valley Quarry (slate), St. Ginnis 11 Craddock Moor (copper), St. Cleer	-		2 7		
25	60 Drake Walls (tin and copper), Calstock — Dake of Cornwall			1 2 2 4		2
	24 East Polgooth (tin)	6		71	****	
10	00 East Trescoil (tin), Laulvet, near Bodinin	1	****	30		
2	56 Gonamena (copper), St. Cleer	46		15	****	
10				114		12 12
	12 Gt.Wh.Rough Tor Con. (cop.), Camelford	and A.F.		20		
10	24 Hawkmoor (cop.), Calstock, Gunnis Lake	5		17	****	
	12 Herodsfoot (lead), near Liskeard	27	** **	14 15 20\$	** **	12 13
60	10 Marke Valley (copper), Caradon	10		31		
	Mineral Court (tin), near St. Austell	12	** **	40 21 3	****	50
10	24 Okel Tor (lead)	15		4± 650		48
20	6 Penhanger	54 .		5#	****	8
500	Roche Rock (tin), Roche, near St. Austell		** **	5	****	
21	South Caradon (copper), St. Cleer			200 210 6 7	****	205
99	6 South Wheal Josiah (copper), Calstock	0		6		
204	8 Tokenbury (copper), St. Ive. Liskeard	11		8	****	
500	2 Treburget United (lead), Sr. Teath	1	***		****	
25	6 Tregorden (silver-lead) Wadebridge	14		7 9 15	****	
51	2 Treville (lead), Lewanick	18		6.7	****	
590	Warleggan Consols (copper)	0	9	74 105		2 105
102	West Fowey Con, (tin & cop.), St. Blazey West Par Consols (copper), St. Blazey	0.		60		
250 30	West Polgooth (tin), St. Ewe & St. Mewan Wheal Arthur (lead), near East Wh. Rose	7 .		49	****	3
102	4 Wheal Bray (copper), Alternum 1	11 .		-		1
100	Wheal Grose (silver-lead, copper, &c.)	4 .		9	** **	
25	Wheal Kingston (copper and silver-lead)	4 .			****	
102	Wheal May (silver-lead and copper)	14 .		1 #	****	1 671
3000 12	Wheal Penhale (lead and copper)	5 · 28 · 54 ·		0 63 65	00	# 67#
1050	Wheat Sarah (silver-lead), St. Kew	5 .		7		
513	Wheal Spry (copper and lead) St. Columb Wheal Trescoli (tin), Lanivet, Bodmin	1 .		. 1		
529	Wheal Trelawny (silver-lead), Liskeard.	32		471 50	49	50 51
1024	Wheal Venton (silver-lead), Liskeard	34		91 101		10
128	Wheal Violet (tin and cop.), St. Stephens	5 .		5 ll 60		} G}
ST	AGNES, NEWLYN, AND PERSANZABULOE.	à		10 113		
107 128 512	East Tywarnhayle (copper), St. Agnes			8	** **	191
128	East Muchi Rose (suver leary) Manistre		6	600		
262 1160 1000	North Wheal Leisure, Perranzabuloe	1	3	5 40		45
256	Garras (lead), near Truro			23		
2048 100	Wost Wheal Rose (lead), Newlyn 2	1	**	65		
4000	Wheal Golden (lead), Peranzabuloe 2 Wheat Henry (copper), Kea, near Truro 25		**	5 6		
128	Wheal Vlow, Perrangabuloe					
1056	Carvanuali (copper), Gwennap 23		10			
96	Great Consols (copper), Gwennap 10 10		** 2	50		6
252 96 120	Tresavean (copper), Gwennap 10		2	20 .		25
120	Treviskey and Barrier (copper) 180 United Mines (copper), Gwennap 300		2	70 30	2	75
120	West Wheal Jewel (tin and copper) 12			20 2		
512		4	**	19		20
1024	East Buller (copper), near Redruth 2 East Carn Brea (copper), Redruth 4		6			7
256 256	East Seton and Wheal Maude, Redruth 4 East Toigus (copper), Redruth 4 Grambler and St. Aubyn (copper) 80		**	20 .		20
256 1024	Grambler and St. Aubyn (copper) 80 North Buller (copper), Redruth 3	* **	!	38 .		40
1200 256	North Wh. Buller, or Gt. South Tolgus . 5 North Trefusis (tin and copper), Redruth	**	. :	2 3 .	• • •	
STATE		***	1	15 .		20
138	West Buller (copper), Redruth 6 West Buller (copper), Redruth 10		7	50 :		
182	Wheal Daniell (copper), Chacewater 5 Wheal Elizabeth (copper), Redruth 19	**				AVES
	Manual Control of the	200				17.00

Shares. REDECTH DISTRICT. Paid. Last Prics. Transactions.	
128 Wheal Plenty (copper), Redruth 19 38 39 126 Wheal Union (copper), Redruth 40 20 27 3 512 Wheal Selena (copper), Redruth 1 1	In a few weeks we shall publish the commencement of a Serres or Papers, to be commencement of the service of the mistory of th
LLOCAN DISTRICT. LLOCAN DIST	ITS RISE AND PROGRESS: together with Notices of the Early Methods of Working; Ancient and Model Inventions, with their subsequent Infraovements; comprising also a SKETCH OF METALLURGICAL OPERATIONS, from the Earliest Period to the Present Time.
100 North Pool (copper and tin), Pool 45 420 450	The Great Crhibition. In the "Mining Journal" will also be given a detailed description, with all necessed illustrations, of every object connected with MINING and ENGINEERING, which me be produced at the forthcoming Great Exhibition.
140 West Tolgus (copper), Iliogan 13	The Compendium of British Mining, BY J. Y. WATSON, ESQ., F.G.S.
Wheal Uny (lead and copper)	We have the pleasure to announce, that Mr. Warson has consented to revise and errect, to the present time, his interesting EPITOME OF BRITISH MINES, for re-pulication in our columns—the second portion of which appears in this day's Journal, the "Compendium of British Mining," it will be remembered, the actual position the different mines is accurately described, both as to capital and working.
18 20 18 2	At the end of each year, a copious Index is published, which renders the volume an iteresting and valuable record.
28 Consols (copper), Camborne 3 6 7 7 6 8 2 2 and St. Aubyn (copper) 5 12 20 20 20 2 21 (thi and copper) 15 20 20 20 2 21 (thi and copper), Camborne 8 5 5 00 (copper), Camborne 6 5 189 170 arriet (copper), Camborne 1 5 6 20 10 (thi and copper), Camborne 10 250 10 10 10 10 10 10 10 10 10 10 10 10 10	ACCIDENTS IN MINES.—We are requested by our respected correspondent, Mr. G. Thorneycroft, of Wolverhampton, to state that a letter on this subject, in the Mini Journal of December 28 last, complaining that the appointment of only four collic inspectors, is a mockery and a delusion on the part of the Government, and sign "G. B. T." did not emanate from that gentleman. Mr. Thorneycroft states that, though signed with his initials, he never saw the remarks until they appeared in o columns, and requests us to disabuse the public mind on the subject. There is n thing objectionable in the letter, but we at once and readily comply with our correspondent's request, by stating that the writer was not Mr. Thorneycroft, although the initials are the same. This notice is called for in consequence of the letter having be
Alfred Consols (copper), Hayle	copied into the Wolverhampton Chronicle, and other prominent papers. "Fair Play" (St. Minver).—If the report read at the meeting, reported in our lasting ber, of the Peatire Giaze and Pentire United Mines, was not Capt. Dunstan's, of We Caradon, although put forth as such, we have no doubt that gentleman would disow all connection with it. Capt. Dunstan has always been considered a trustworthy and the control of the contr
n (tin), St. Just 5 6 lack (tin and copper), St. Just 182 200 nag (tin and copper), Crowan 5 10 Balleswidden (tin), Sancreed 1 1½ 1½	confidential agent, and one who would not report contrary to his conviction. Our co respondent states that he is informed by working men that they have not got a stone lead in any part of the 22 fm. level. He also states that, according to the report, the new or middle lode ought to produce 50 tons of lead ore per month; but he has hear
13 13 14 15 16 17 17 19 19 19 19 19 19	that, with more than common exertion, they only raised 30 tons in the last two month Our correspondent, who gives his name, suggests that the reports are got up tor the purpose of enticing capitalists to take shares, and thus ease the shoulders of the present adventurers, who are few in number. We trust the agent will boldly meet the charges, which we insert for the purpose of eliciting truth, and show that our correspondent is wrongly informed, and that the reports are founded on correct inspection and are a fair description of the workings at the time they were written. Mining Query.—A bargain is set—" To drive on the course of the lode as directed, rur
Pool (tin and copper), St. Hilary 1 34 8 10	ning fathom—36 feet to a fathom."—Qy. How would you measure the ground?—, COUNTRY SUBSCRIBER: Jan. 8. "A Landowner" (Tavistock).—The right to streams of running water, one of great importance to miners, has been the subject of much discussion in the courts, as als among forensic writers. It has by some been intimated, in accordance with what if
rr and tin), Uny Leiant 15 30 n), St. Just 20 75 rlis (copper and tin) 2½ 8½ 22 n), St. Ive's 80 80	supposed to have been the Roman law, that the right to running water, like that the light and air, is public juries, and acquired by occupancy—the first person who make use of a running stream acquiring a right to it against others. This doctrine has however, been set aside in some recent cases, both British and American. The cleares and most intelligible exposition of the rights of individuals to running water appear.
d Bosence, St. Erth	to be that every proprietor upon each bank of a river is entitled to the land, and all beneath, covered with water in front of this bank to the middle of the stream, and ha a right to the use of the water flowing over in its natural current, without diminution or obstruction; but, strictly speaking, he has no property in the water itself, only a
opper), Helston 6 ols (tin), Towedneck 7 osols (tin), near Helston 95 copper & tin), Perranlithnee 6½ 17 16½ 18 18 Consols 10½ 11½ 11 12½ 11	t passes along, nor can be legally so employ it as to be injurious to another. This right is common to every proprietor. No one has a right to duminish the quantity, or injure the quality, of that which will naturally flow to the proprietor below, or to throw it back on a proprietor above.
ng (tln)	SOUTH AUSTRALIA.—A gentleman who has been in this colony, and had little else to de but to inform himself of the mineral and metalliferous districts, has satisfied himself that an able mining company formed in London might effect much good in competi- tion for Crown lands, and securing right to work mineral ground. He considers that a number of mines, with an agent to each—say, 8 or 10, or even more, under the
pper)	superintendence of one general overlooker, and one expert engineer, would produce great results, as there are numerous untried districts which fairly invite speculation. He believes that such a sum as is often sunk in Cornwall in one mine would produce a splendid return, conducted with spirit and economy. We will forward any com-
(tin and cop.), Gwinear 2 4\$ 5 (copper)20 23 and copper), St. Hillary \$\frac{1}{2}\$ 3 tin), Uny Lelant 79 155 160	munication to the writer, on being addressed to our office. "J. R." (City).—Sir Charles Lemon most liberally offered a large sum of money for the establishment of a School of Mines in Cornwall, provided he was seconded in his endeavours by the wealthy and influential. Instead of support, the proposal was met by the greatest apathy, and was never carried out.
(c) (c) (p) (p) (r) (r) (r) (r) (r) (r) (r) (r) (r) (r	M. E." (Wrexham).—We have taken great pains to obtain correct and general information of the sales of lead ores, but are unable to obtain any further particulars or which we could confidently rely, than those we now publish.
16 (tin and cop.), Gwinear 94 214 22 20 214 224 4	4T. T." (Truro).—If you are aware of the miserably poor character of the strata in the mines mentioned by you, and the deceifful character of the reports, we think you should find out and write to two or more of the adventurers. We cannot hazard the chance of causing injury to an undertaking, without the charges made are wel.
(iron)	authenticated. 'Argus.'—Newfoundland abounds with minerals of all sorts, particularly around Conception Bay. At the head of Chapel Cove there is a coal mine and an iron mine on the northern aide of the Belle Isle, and another at Harbour Grace, and a copper mine
rip 10 10 ad)	near St. Johns, which has actually been worked by Cornish miners, taken out for the purpose. There is also a iquantity of the mineral called marcasite. Copperas stone and horse gold are found about Catalina harbour. Coal has been found on the banks of the Humber, and there are excellent gypsum quarries near Cape Ray.
rer-lead), Cardiganshire	J. B. "(Whitehaven).—It must be admitted that the appointment of four inspectors only, is, as "J. B." states, a truely "homeopathic remedy "for the dreadful results of mine explosions. It would be a serious reflection on the Government to imagine they intended these appointments but as a beginning, or that they do not mean to increase their number in proportion to the good resulting from their supervision of collieries.
(lead), Lianrhiadr, Mont. 8 12 1 3 ead), Cardiganshire 6 7	their number in proportion to the good resulting from their supervision of comeries. The plan of having a resident inspector for a certain district seems the only one at all adapted to satisfy public expectation, or lessen the number of the deplorable calamities which it is our painful duly to record. THE SOVEREION LIFE ASSURANCE SOCIETY.—Our correspondent will be able to judge
ad), Cardiganshire 60 105 da), Cardiganshire 2 8½ 9 10 do 3 4 do 3 4 do 3 55 do 3 55	from the report given last week of the position of the company's affairs, which we regard as, in all respects, satisfactory, and which is fairly due to the perseveratine of the directors and managers displayed throughout the earlier period of its existence. The confidence of the public, in relation to such societies, is in tolerable proportion to the
d Mines (lead)	manifestations of stability they evince, and the "Sovereign" may now be said to have attained a place in general estimation which fairly justifies the expectation of increased prosperity, as the sphere of its operations is further extended.
lead), Filnt	J. D." (St. Dominick, Callington).—Consult "A Treatise on British Mining, with a Digest of the Cost-Book System," by Thomas Bartlett, published by Effingham Wilson, Royal Exchange. A usual set of account books are requisite, the cost-book, proper, having the rules and regulations at the commencement, and forming the share register. A deed of settlement must be drawn up by a lawyer, according to circumstances.
ad), Cardlganshire	W. B." (Peterhead).—Mr. Jeffries took out his patent for the marine glue about 1842, and, notwithstanding its great advantages, and its economy, we fear its proprietors have not reaped that return for their outlay and auxiety to which they are justly entitled. The great durability, adhesiveness, and economy of the marine glue, was indisputably proved in the cases of the Taibot and Curaçon frigates, which were payed.
ol and Bacheiddon (dead) 10½	with it. After five years active service the deck joints of the former remained as well stopped as when first put in, although worn down nearly an finch by stoneing and cleaning. The mainmast of the latter, put together with this glue, was as sound as when fitted, while the foremast, constructed in the ordinary manner, was entirely rotter.
glod (slate), near Carnarvon. 4 4 5 ead), Cardiganshire 2 2 2	The patentees, without exerting themselves to get it into general use, devoted all their energies and means to render it availate to the British Navy; but we believe, like too many inventors who get the support of Government, they have met with no remuneration at all adequate to the value of the discovery. We shall be most happy to
IRELAND.	hear that their just claims have been accoded to, and an award unde them. The manufactory was formerly at Limehouse, but we do not know the present address. As, however, the Government still use the material, information of the patentees could most probably be obtained at Woolwich Dockyard. We do not know the previous occupation of Mr. Jeffries, but we think certainly not a carpenter's apprentice. We do
Co. of Iroland (copper, &c.) 7 4\frac{1}{2}\frac{5}{2} \\ w (copper), Wicklow 5 17\frac{1}{2} 18 \\ w (copper and sulphur), Wicklow 3 3\frac{1}{2}\frac{1}{2} 4	not know the date of the first transmission of passengers by railway from Excher to Plymouth. A Constant Subscriber "(Blackburn).—In the Mining Journal of 13th May, 1848, we cave a description, with diacrams, of Gard's natery bollow begins appearing. Mr.
Iraig (lead), Kirkeudhrightshire. 5	Mather, of the Salford Iron-Works, also took out a patent for some hollow boring apparatus, to be worked by steam. We cannot take upon us to decide which kind or whose manufacture are the best, points easily ascertained in the coal mining, districts. A Country Subscriber "(Lingoln).—The Liewelm and Bangor Slate Onarry, for the
County Coal (coal), Durham . 45	working of which a company is formed, is situate in the parish of Lianliechid, Car- narvonshire, six miles from Bangor. There are 12 acres of roofing siste quarry, and 20 acres for deposit, and the slate is a continuation of the valuable bed of Penrhyn, which has for the last 20 years produced a profit of 80,000. per annum. We cannot recommend any particular quarries or mines for investment. Apply to one of the
Ilme quarries) 21 31 4 ead) 22 7 14 FOREIGN MINES. Paid. Last Price. ing Company (copper), Norway	brokers, whose names appear in our advertising columns. An Old Miner." (Camelford).—Our correspondent may rely upon our endeavours being continually directed to the support of legitimate mining, and that our pages will be infuture, as they have been hitherto, open for selentific discussion, and essays on a sub-
an (copper), South Australia	ject of so much interest and importance, but we cannot exactly see that any good extended would be answered by the insertion of his remarks. A Cambridgshire Shareholder" wishes to be informed what is doing in Bottle Hill, Bealbury, and Snowdon Mines—are they progressing, and what are their prospects?
al Mining Association (iron & coal), Nova Scotia 20 131	F. H. S."—London is undoubtedly the principal mart for the sale of lead. We are not aware that any good result would follow our correspondent's suggestion. We publish the provincial prices and information respecting the metal trade whenever we receive
s (lead), Spain 2 24	authenticated correspondence.
res (lead), Spain 2 21 New 3 3	uithenticated correspondence, "ht."—The communication referred to, "Desths in Mines," shows unquestionably, as our correspondent states, that there has been, during the past year, little tendency to a diminution either in the number of accidents, or the lamentable results they occa- ion. Explosions have been fewer, and so far we may presume that greater attention has been paid to the important subject of ventilation and other essential means of en-

NOTICES TO CORRESPONDENTS.

The History of Mining, ITS RISE AND PROGRESS:

from the Earliest Period to the Present Time.

The Compendium of British Mining,

We have the pleasure to announce, that Mr. Warson has consented to revise and correct, to the present time, his interesting EPITOME OF BRITISH MINES, for re-publication in our columns—the second portion of which appears in this day's Journal. In the "Compendium of British Mining," it will be remembered, the actual position of the different mines is accurately described, both as to capital and working.

stances, an inexcusable want of caution on the part of those to whom is intrusted the duty of superintendence, and incredible carelesshess among those employed in the mines. We are as anxious as our correspondent to witness the good effect of Governmentinspection, though looking at the number and extent of mines to be surveyed, the superintment of three or four inspectors is not at all calculated to meet the emergency. We have to apologies to our excettlent correspondent, Mr. David Mushet, for again omitting the continuation of his papers On Patent Law Reform, also a leiter on the same subject—two papers, by the Baron Yon Rathen, on Light and Air for the Miner, and Collisions on Railways—Mr. Mitchell, On the Treatment of Copper Ores—the New Patent Laws of Belgium—Electro-Magnetism as a Motive-Power, and Chemical Insuence—Mr. Weston on Atmospheric Railway Propulsion—several papers by Dr. Murray—are unavoidably postponed.

We must impress upon our correspondents, the necessity of invariably furnishing.

", " We must impress upon our correspondents, the necessity of invariably furnishing us with their names and addresses—not that their communications should, consequently, be noticed, but as an earnest to us of their good faith.

* * It is particularly requested that all communications may be addressed-TO THE EDITOR,

Mining Journal Office,

26. FLEET-STREET, LONDON And Post-office orders made payable to Wm. Salmon Mansell, as acting for the proprietors

ΓHE MINING JOURNAL

Railway and Commercial Sagette.

LONDON, JANUARY 11, 1851.

The MINING JOURNAL is published at about Eleven o'clock on Saturday morning, at the office, 26, Fiest-street, and can be obtained, before Twelve, of all news agents, at the Royal Exchange, and other parts of London.

At the Durham western sessions a question was raised of considerable importance, inasmuch as it in some measure decides the distinction between what is a mine and what is a quarry. It was an appeal by Messrs. Charles Attwood and Co. against a rate made by the overseers of the poor of the parish of Stanhope on some ironstone-works, belonging to the former—the question to be settled being principally—were these works mines, or were they quarries? Mr. Grev, for the respondents, contended that the mode of working, and not the material extracted, determined the character of the executions. The started did not exampt minerals but suives, and if cavations. The statute did not exempt minerals, but mines; and if every substance which is raised from beneath the surface be consievery substance which is raised from beneath the surface be considered as the produce of a mine, the exception would equally extend to gravel, marl, stone, and the like. His definition of the terms "mine" and "quarry" was this—that if the place of operation be fully, or only partially, exposed to the light of day, it must be a quarry. If, on the other hand, it was only approached by levels or shafts, and the works carried on by subterranean works, where the light of day cannot reach, it must be considered a mine. Witnesses were called to prove making the rate on four ironstone quarries, which were entirely one, and no candles were used in excayating the were entirely open, and no candles were used in excavating the stone; there were no shafts or steam-engines employed. This was the first time of rating these works; lead mines had not been known to have been rated. Mr. Otter, for the appellants, contended that the statute of Elizabeth having made the land rateable, a rate on the quarry would make it double. Where the stratum outcropped, it was necessary to carry on open works for a considerable distance, until they opened levels, and a regular lead mine, to the ore of which the ironstone was a matrix. He urged that, although at present the workings were open to the day, they must be considered as mines. The decision of the Bench was postponed, and the next day, the chairmen stated that heigh corrected they were delivered. sent the workings were open to the day, they must be considered as mines. The decision of the Bench was postponed, and the next day the chairman stated that, being perfectly exposed, they must be considered as quarries, and rated accordingly; and on application being made by appellants' attorney for a case to the Court of Queen's Bench, the chairman said the opinion of the Bench was so decided that it could not be granted. However hard this may seem to parties getting metallic ores by open cutting, it is at present understood as the law. Mr. Courses, in his Law of Mines, states that derstood as the law. Mr. Collier, in his Law of Mines, states that the 43d Eliz., cap. 2, sec. 1, in which poor rates originated, declares all occupiers of coal mines rateable to the poor, and it was early decided that the express mention of coal mines exempted all others. The distinction between a mine and a quarry being founded not on the difference of the substance raised, but of the mode of obtaining it-workings open and visible from the surface being deemed quarries; while the sinking of shafts, driving of levels, and generally digging underground, appear the chief features of mining.

In another column will be found our annual report of the "Accidents in Mines" during the year 1850. From this it will be seen that since the passing of the Government Act for the inspection of collieries, that the deaths by explosion have amounted to 110, and the injuries from the same cause 130; falling of roof, deaths 60, injuries, 15; falling in shaft, deaths 45, injuries 2; machinery, deaths 12, injuries 18; accidents not specified, deaths 51, injuries 16—making the number of deaths 278, injuries 181: total of deaths and injuries 459. On the appointment of the inspectors some few weeks since, in the Journal of the 7th of December we ventured to throw out some suggestions as to the manner in which the onerous and responsible duties entrusted to these gentlemen should be performed. At the same time we hailed their appointment with satisfaction, and At the same time we make their appointment with satisfaction, and as a step in the right direction, we stated that the number was too few, nor could they efficiently act without a competent and well-organised staff of sub-inspectors, aided by the assistance of the coalowners and their agents. However well disposed, as we believe the inspectors may be, to carry out the provisions of the bill, and endeavour to save that frightful waste of human life, which, we regret to say, is now almost of daily occurrence, we repeat that it is a perfect impossibility to imagine four individuals, let their talents be ever so super-eminent, to supervise all the collieries in the different coal-fields and various formations of Great Britain. Since their appointment they have, we believe, been actively engaged in their several districts; no coroner's inquest has taken place but they have attended, or any accident occurred but they have strictly investigated. This is well enough, and though it is right and proper, that when any disaster has happened, the fullest information should be laid before the public, so that precautions should be taken to prevent the recurrence of such catastrophes, yet we think it would be much better if they could, by a timely inspection, be prevented.

We are aware that, in numberless cases, the accidents arise, in many instances, from the temerity, obstinacy, ignorance, and carelessness of the as a step in the right direction, we stated that the number was too

instances, from the temerity, obstinacy, ignorance, and carelessness of the operatives themselves. If a rigid system of inspection with them was exercised—not only by the overlookers, but as well as by the sub-inspectors, who, in their weekly report, should state what derelictions they discovered

exercised—not only by the overlookers, but as well as by the sub-inspectors, who, in their weekly report, should state what derelictions they discovered on the part of the owner, overlooker, and workmen, to the head inspectors, who should have a power to punish either by fines or otherwise—we do not hesitate to say but that much which is now justly complained of would be, if not virtually remedied, at least considerably ameliorated.

We are aware that many will raise objections to this on the score of its being inquisitorial and repugnant to the feelings and habits of Englishmen; and we do not disguise from ourselves the unwelcome fact that, in carrying efficiently out such a system of inspection, considerable opposition would have to be encountered, and, in many instances, innumerable and vexatious obstacles would be thrown in the way by some of the colliery proprietors and their subalterns. A determined will, combined with energy and perseverance, would, however, soon overcome any difficulties that Hight arise; while the means to be attained—no less than the preservation of human life, and the prevention of pauperism—would carry so much weight with it that, when sufficiently known, public opinion would side with the inspectors, and the barriers opposed by avarice, ignorance, temerity, or recklessness, would be thrown down, never again to be raised. The system of inspection has been tried in France, Belgium, Prussia, and Saxony—in fact, in a more or less modified degree, in every country on the continent of Europe. No complaints have ever been raised by the proprietors or labourers; and mines which would here have been long since abandoned, there have been working for several years. It is a lamentable fact that, while we are the most extensive mineral country in the world, our agents and miners, who are justly acknowledged to be the

most practical men, are known to be grossly deficient in all matters con-nected with the theory of their profession. Witness the blunders and errors for want of a little scientific knowledge they are daily committing,

errors for want of a little scientific knowledge they are daily committing, involving, in many instances, a wanton expenditure of life and capital. The inspectors are men of such standing that, by their attainments, they can and should communicate their knowledge to those whom they have to superintend; and by an application of some of the slightest rules of chemistry and mechanics, much might be done to instruct the working miner, so as to preserve the property and lives entrusted to his care. We had hoped to have seen other appointments made; the present number is insufficient. Parliament will shortly open; and we trust that some of the Members connected with the coal districts will demand an explanation from Sir G. Grex as to what his future intentions are with regard to the energetic development of the Act so hurriedly passed at the close of last session. We have devoted for several years a great portion of our time to this question; and we shall not rest until we see some effectual means devised to protect the miner, not only from the avarice of his employer. devised to protect the miner, not only from the avarice of his employer, but the consequences of his own temerity, though we are not so Quixotic as to imagine that any means, however well ordered, could totally prevent the occurrence of calamity.

The first of the series of the quarterly meetings of the ironmasters was held in Wolverhampton, on Wednesday—the attendance not being so numerous as usual, more particularly on the part of dealers. The state of trade taken generally is by no means uniform; some houses report that they are full of orders, sufficient for several months to come, whilst others present a much more gloomy picture, and contend there is no improvement since last quarter-day. The majority of manufacturers, however, particularly edge-tool makers, are very busy, which fact, coupled with other circumstances, will tend to keep prices firm, if they do not advance, notwithstanding the determination come to not to increase present prices over the Oct. rates. It was very generally admitted that the iron market was improved in present position and in its future prospects, but the principal firms of the district, the producers of the best iron, determined to stand by the price as fixed at the last meeting. The symptoms of improvement in the fature trade are numerous, large orders have been pouring in from Russia, America, and the Roman States, chiefly rails; and to show the activity in this branch of the trade, it is stated that a larger amount of orders have been received for rails within the past three months than for the previous two years. The demand for the home market has also increased, and as the stocks on hand in South Staffordshire are unprecedentedly low, there is scarce sufficient supply to meet the demand. These circumstances, in the views of many, are sufficient to justify an increase in price; but as there may in all this be some unsound speculation in this general improvement, it is considered the more prudent course to remain as they are, as much punishment has been suffered on former occasions by lending a hand unknowingly in supporting fictitious business, and unexpected improvements, which have not been founded on firm bases. The demand for iron is, at all events, greater than for some mounths past, but whether from legitimate business or from speculative proceeding, time alone will show. The orders in the hands of some makers cannot certainly be executed before March, or even April. The foreign trade is brisk. The large houses will retain the terms of last quarter; but the smaller masters who are not bound by the rules of the confederation, and have been conwho are not bound by the rules of the confederation, and have been continually underselling the former from 5s. to 10s. per ton, may be expected to raise their demands to that extent, bringing their prices to range with the more important firms. The trade of South Staffordshire in every department, upon the whole, gives an encouraging picture for the new year, and the quietness and content which characterises the present industrial population is highly gratifying. Some remarks on the Scotch pig-iron trade will be found in another column.

We have been favoured by Mr. Cuell with a mass of statistical information in connection with the dividend-paying mines of Corn-wall and Devon, which are certainly the most elaborate and complete of any yet extant. At a glance the shareholder, or party in-terested, may see the number of shares into which a mine is diplete of any yet extant. At a glance the shareholder, or party interested, may see the number of shares into which a mine is divided, the capital employed, with amount of dividends paid, the market value of the share at the time of publication, where situate, offices, names of purser and secretary, mineral raised, with every description of information which it can be deemed satisfactory, or necessary, for creating that confidence in mining pursuits which, until within the past few years, was certainly not a prominent feature therein. It is from the gradual progression from a system of mysterious secrecy in the carrying on a mine to one of a more open and confiding character, within a no very lengthened period, that we may trace the emergence of this staple commercial enterprise from a state of apathy and listlessness, to become one creating as lively a sense of speculative excitement, and involving proportionately as large an amount of capital, as other industrial interests of the kingdom. One of the most satisfactory points connected with mining is for a shareholder at all times to know the nature and extent of his liability; and to secure a continuance of the confidence already displayed by capitalists and the public, it is necessary that pursers, agents, and others concerned, should still continue to pursue that course of giving correct information and candid explanation which has already gained for the interest in which they hold a stake so great and so steady an increase of patronage and support. It will be in the recollection of our readers that it was on the crash and downfall of confidence in railways in 1847, brought about by those bubbles of fraud, chicanery, and concealment, which at length burst, spreading desolation and ruin, that mining began to the suppose a part and so steady an increase of patronage and support. It will be in the recollection of our readers that it was on the crash and downfall of confidence in railways in 1847, brought about by those bubbles of fraud, chicanery, and concealmen chicanery, and concealment, which at length burst, spreading desolation and ruin, that mining began to assume that improved position which it has since established itself in; and we sincerely hope and trust that no conduct on the part of those having the management of mines will tend to disguise the aspect of any adventure, and thus tend to a retrograde movement in the general interest. Full and fair exposition of the really present state and future prospects of a mine will, in the end, be found the most advantageous to "One and All."

In our number of the 14th Dec., we promised to revert to the present effect of the WINDING-UP ACTS, as subject to the arbitrary discretion of the court; and we shall now in part discuss the ques-tion whether certain recent decisions are consistent with the inten-

tion whether certain recent decisions are consistent with the intentions of the Legislature in passing the statutes in question.

Of the several Winding-up Acts—including that specially applicable to railway projects, which appears to have been treated as absorbed in, or virtually repealed by, the more recent statutes of 1848 and 1849—the sole object, as we collected in the discussion on their respective bills, was to give a comparatively prompt and offercions means at a reduced expanse in liquid the respective of the respective efficacious means, at a reduced expense, in lieu of the protracted and costly remedy of proceedings by bills in Equity, for the dissolution of partnerships, in the nature of joint-stock companies, and the winding-up of their affairs. Time out of mind it has been an admitted fact that for such a purpose, unless some men of long purses and obstitute minds determined to carry their point at all heards. and obstinate minds, determined to carry their point at all hazards, there was a denial of justice in the conclusion of the existence of such companies, whenever the governing body was interested in refusing a fair and final adjustment of affairs. And why? on account of the ruinous expenses and delay of a Chancery sui To remedy this evil, and to take a step in advance towards legal reform, the measures in question were successively passed.

Again, the genius of reform was roused; another grievous instance of obstruction to justice, by reason of the costliness and harrassing procrastination of suits, in the administration of wills and intestacies, and

procrastination of suits, in the administration of wills and intestacies, and other proceedings, which ought to be as matters of course, was brought before Parliament; and a strenuous effort was again made to enforce justice where justice had been denied. The self-inflicted discipline of the ex-Chancellor, whereby the Court of Chancery, in its general orders, professed to meet the wishes of our Solons, and effect the necessary ameliorations, alone warded off the legislative blow.

Hosts of applicants for the benefits of these provisions, legislative and curial—if it can be called a benefit to submit one's right to the consideration of Chancery officials and the machinery of the court—have proved that there are many cases in which she parties claim, and are entitled to, redress, where they could not otherwise obtain it without ruinous expenditure, and positive loss in costs, as between solicitor and client. The court and officers are consequently deluged with business, that disturbs the calm

routine of our well-paid functionaries—ergo, the act and general order are intolerable; they are voted a bore, and must be got rid of. Hear Vice-Chancellor K. Bruce, in his bye-the-way gossip, which lawyers call obliter dicta, upon a motion in the matter of the Royal Bank of Australia, as reported in the public journals of the 30th of last Nov.:—"I have heard it said that the statutes designated Winding-up Acts are so excelent in their construction, that they are to form the model for future large.

heard it said that the statutes designated Winding-up Acts are so excellent in their construction, that they are to form the model for fature legislation, and to be the form for the administration of the estates of all dead men. If they are to be so, my own view is, that they will form an additional reason for wishing to continue in life. My conviction is, that those Acts do far more harm than good."

So then, forsooth, because there are men who are so rash or stupid as to prefer giving trouble to those who are well paid for their work, by adopting a comparatively—for everything in and of the Court is no more than comparatively efficient—efficient and cheap remedy, where otherwise they would rather be robbed than become the suitors of so coy and costly a mistress as the Lady Patroness of Lincoln's Inn.—arrad, the new they would rather be robbed than become the suitors of so coy and costly a mistress as the Lady Patroness of Lincoln's Inn,—argal, the new law and regulations are bad. Then the County Courts law is bad. Oh, no! There we have low salaries and hard-working men, glad to have the chance of doing their work. But what in truth does all this disgust of our Chancery officials prove? That the court is the receptacle of antold and incalculable nuisance, where poor men's hopes and just men's rights lie putrid beneath the buoyant gasses of wealth and oppression; and that it more than needs the hand of the Yankee Hercules, who, we trust, has not come here in vain, to do the Augean work of legal reform.

And still the burden of the innovation does not, in our estimation, consist in the administration of the law as it is, and as it has been intended; but in the misinterpretation of it by the judicial and ministerial officers of the court, and in the omission of the court to provide sufficiently for the increasing necessities of the period.

of the court, and in the omission of the court to provide sufficiently for the increasing necessities of the period.

This is a theme in which we are deeply interested, as devoted to industrial objects, in which it is of the highest importance to have the laws relating to public partnerships well defined, and the remedies against wrongs within the reach of all aggrieved. Thus alone will bona fide enterprise prosper, whilst the mere schemers will be precluded or deterred from provoking just responsibilities to the public. If, during the mania of past speculation, it were available to present the certain consequence of dishonest projects, as a reflection for the "Jeameses" and other professional committee-men, they would have turned from the mirror, doffed the garb of capitalists, and spared many industrious families from the wide-spread ruin that periodically degrade our internal commerce. What! is Vice-Chancellor Bruce shocked at the ruin of two or three hundred provisional committee-men? Let him descend to our streets, let him look to Chancellor Bruce shocked at the ruin of two or three hundred provisional committee-men? Let him descend to our streets, let bim look to the Bankrupt and Insolvent Courts, and ask our shopkeepers and farmers how many thousands of families have been ruined, or brought to the brink of ruin, by those very men whom he so commiserates. Let him look to the invitations and private compacts, and fraudulent objects of their association. He will then learn how better to estimate them, and that their motive in risking the ruin now overtaking some of them was the base solfshness of aggrandisement at the cost of their dupes, the hardworking, middle, and inferior classes. middle, and inferior classes.

The adjourned special meeting of the Company of Copper Miners IN ENGLAND is to be held on Tuesday next, the 14th inst. It may be in the recollection of our readers that the first meeting was held on the 7th of December; this meeting, after a desultory conversation, was adjourned to the 2d inst.; on that day it was resolved it should be further deferred, in order that some information might be obtained as to the course the debenture-holders were determined to pursue in the present crisis of the company's affairs. Their meeting was held on Tuesday last, but being private, the results have not yet transpired; but it is to be hoped that they will adopt more lenient views than those they have hitherto broached, so that the different interests may be amalgamated, with a view to the resuscitation of the company. Two futile attempts have been made to dispose of the property by public auction, the first in July, 1849, and subsequently at the same period in 1850; during the last few weeks advertisements have appeared in the different public journals, offering the property for sale by private contract; all efforts to obtain a purchaser has as yet been vain, and it would seem that the natural course would be, that as yet been vain, and it would seem that the natural course would be, that the property should revert to the old proprietary. It is useless to recur to the causes which have placed the company in their present unfortunate position. The Shareholders' Committee have been labouring diligently and energetically to remedy the evils with which they were beset. A bill whs carefully prepared by them to amend the constitution of the company, and preserve the charter; after having been read twice in the House of Commons, the preamble not being satisfactorily proved, it was thrown out by the committee; and, according to parliamentary usage, no reasons were assigned for the determination which had influenced the Members to take this step. Another bill has been prepared, and duly deposited in the proper office, and we sincerely hope it will meet with a botter fate than its predecessor. The two meetings that have been held have been but thinly attended, and we trust on Tuesday next such a full attendance will be found as the importance of the case demands. We have heard that hitherto one of the principal causes which has retarded the settlement of affairs, has been the obstinate determination of the debenture-holders in no way to sacrifice their own interest to the general welfare: the Bank, affairs, has been the obstinate determination of the debenture-holders in no way to sacrifice their own interest to the general welfare: the Bank, we are informed, would gladly compromise with the company. To effect this, in their present insolvent state as a body, is not in the power of the shareholders, and it can only be effectually carried out with a complete union with the preference stock-holders and the debenture-holders: the charter of the company, we should imagine, is too valuable, either to be idly thrown away, or forfeited by the petty differences of those who have the greatest stake in preserving it. But a short period since, the company were threatened with litigation from some of their own body; through the conciliatory spirit of the Shareholders' Committee, this has been adjusted, and the difficulty overcome, but numberless obstacles are still to be encountered, and these, as we before observed, can only be terminated by the general union of all. What we should advice is, that each party, while looking after their own peculiar interests, should not lose sight of the great fact, that by too eagerly grasping at the shadow they may lose the substance. Experience has shown that, either from the magnitude of the property, the capital required to work it, or the tenure on which it is held, it is not marketable; and, if realised, must be at a great sacrifice, which will leave little or nothing for those who have embarked their money as shareholders, or taken debentures on the faith of a company which has been several mines threatened with bankruptey. At this juneture but one covers require which in our humble onjuicue, is an equipment. as snarenoiders, or taken dependence on the tank of a company which as been several mes threatened with bankruptcy. At this juncture but one course remains, which, in our humble opinion, is an equitable amalgamation of all interests, and the goal to be attained, the restoration of the company, if not to its pristine state, at least to that respectable position which its antiquity and importance merits.

Dem Batents.

LIST OF PATENTS GRANTED DURING THE PAST WEEK.

J. Tatham, and D. Cheetham, of Rochdale, Lancaster, machine makers, for certain improvements in steam-engines, in apparatas for generating and indicating the pressure of steam, and for filtering water to be applied to boilers, also improvements applicable, to steam-results of steam the steam of the steam of

team for certain purposes.

J. H. Brown, of Fir-cettage, Putney, Surrey, gentleman, for certain improvements in the manufacture of wafers.

DESIGNS FOR ARTICLES OF UTILITY BEGISTERED, DESIGNS FOR ARTICLES OF UTILITY REGISTERED.

G. Holcroft, Manchesser, steam-boiler.

W. H. Hopkins, Bix, Oxford, Bix-Hill-Side, plough.

J. Cresswell, Birmingham, door fitting.

H. Weatherley, Theobald's -road, machine for cleaning currants.

L. Braun, Wood street; Chospide, cap.

J. H. Quinosy, Hatton Garden, parts of a coal box.

A. Dovy, Grovenor-street, Bond street, parts of stays.

G. Bauchini, Broadwall, Blackfriars, window-cleaning guard.

P. Rigby, Liverpool, spirit bottle.

J. Cresswell, Birmingham, ventilating mattress or cushion.

J. Crayper and Son, Gracechurch-street, towelling.—Mechanics Magazine.

TABULAR AND STATISTICAL MATTER, WITH RETURNS OF METAL, ON DIVIDEND-PAYING MINES, FOR THE PAST YEAR.-BY WILLIAM HENRY CUELL, ESO.

Nos. Shares.	Amount Paid.	Name of Mine.	Price.	Dividend per sh.	Total Amount of Div.	Metal.	Parish.	Parser and Sec.	Address.	System.	Dividend Payable.	Copper.	Tin.	Lead.	Total amount of money.	Lease granted	Dues.
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A Compendium of British Mining.

BY J. Y. WATSON, ESQ., F.G.S

No. II .- THE NATURE OF LODES-(Continued).

The most regular tin and copper lodes are very complex in their composition; quartz generally prevails in the matrix, but is always more or less blended with a substance similar to the adjoining rock-indeed, the latter often occurs in distinct forms, as nodules, angular pieces, and even masses of considerable size, which are independent of the main rock, being completely enveloped in the quartzose part of the lode. These are of such on occurrence, as to be named by the miners horses of killas. Sometimes the schist so abounds in the lode, that the quartzose part altogether disappears, or is only continued in minute strings; in this case the lode is said to have dwindled away, or to have been wring out. It also frequently happens, that both these principal parts (the rock and the quartz are intimately united, producing a silicious layer of rock, which is still metalliferous, and is commonly called capel—herice the courses of schorl rock, porphyry, and some anomalous rocks, which have been called by the miners elvan, have been properly considered by them to be analogous to lodes; for they are, in fact, veins on a large scale; and, from the great width of many of them, they are termed channels, or courses; they are generally composed of hornstone, quartz, and felspar, having the appearance of hornstone porphyry. Other substances, however, are called elvan by the miners. Thus, a stone composed of very compact hornblende and chlorite, is called blue elvan in Wheal Ann; a mixture of hard hornblende and quartz has the same name at Botallack; a compound of felspar and hornblende is elvan at Gwallior, and is as soft as the neighbouring country; a mixture of hornstone, quartz, schorl, and chlorite, forms the black elvan of Chacewater; and the fine-grained granite is the elvan of Rosewall Hill. Hardness is not an essential quality of elvan. The clvan courses vary in width from one to 60 fms., or 360 ft. Their direction is generally a little north of cast and south of west; and they almost always underlay towards the north—perhaps, on an average, a foot to every foot in depth, or at an angle of 45°. The extent of their length has never been ascertained, although one of them has been traced five miles.

"By a true vein (Mr. Carne says), I understand the mineral contents of a vertical or inclined fissure nearly straight, and of indefinite length and depth. Their contents are generally, but not always, different from the strata, or the rocks, which the vein intersects. True veins have usually regular walls,* and sometim times the schist so abounds in the lode, that the quartzose part altogether disappears, or is only continued in minute strings; in this case the lode is

heous veins, some may appear to be heaved; but the apparent heave seldom affects more than one vein—and it is in general, easy to perceive that what appear to be separate parts of the same vein, are different veins, which terminate at or near the cross vein. When they meet with true veins, they are always traversed by them." Tin lodes are, in general, richer or poorer in the clvan than in the adjoining rocks, in prop the hardness or softness of the clvan. A very soft, or very har (earth-brown iron ore), is equally thought less favouable than i (earth-brown iron ore), is equally thought less favouable than if its consistency be moderately firm; and a very dark colour is also discouraging. The copper gossans are generally softer, paler, and less quartzose, or rather, perhaps, the quartz in them is often friable; and they are more vesicular than tin gossans.

In granite, the lodes, which are chiefly productive of tin ore, are, for the most part, composed of a pale greenish felspar, of a confusedly crystalline structure; but seldom containing distinct crystals. Through this substance the tin ore is interspersed in form of crystalline granules, seldom so large as a pea, but generally as small as sand.

The lodes which yield copper ore in granite almost always contain gossan near the surface; and this usually continues to somewhat greater depths than it does in slate—as at Tresavean, Ting Tang, Dolcoath, &c.,

By this term is meant, that the rock o' the country stands against the vein, each ode, as a well, without being intermixed, or forming one body with it.

in Cornwall. When the lodes are very granitic, or when they contain in Conwall. When the lodes are very granitic, or when they contain much of the schorlaceous quartz, they are seldom productive—indeed, copper ores are rarely found embedded in schorl. The lodes which yield copper ores in slate contain large quantities of gossan of a pale hue, soft, and full of soft cavities. In them, also, tin ore frequently occurs in small quantities, and blende is very plentiful; but iron pyrites (mundic) is almost constantly present. These earthy minerals are mostly quartz, mixed with quantities of felspar, clay, or flookan; near the surface these are spotted with earthy black copper ore, and at length by copper pyrites. In many places, and more especially in the slaty rocks in the neighbourhood of the fossilliferous beds in the eastern districts of Cornwall, some portions of the lodes, when large, consist almost wholly of a very white crystalline

spotted with earthy black copper ore, and at length by copper pyrites. In many places, and more especially in the slaty rocks in the neighbourhood of the fossiliferous beds in the eastern districts of Cornwall, some portions of the lodes, when large, consist almost wholly of a very white crystalline quartz, abounding in vughs, or cavities, lined with crystals of the same, and enclose innumerable disjointed pieces of slate. The cavities lined with crystals, and the included spots of slate, are most unequivocal signs of poverty in those parts of the lodes where they occur. There are also certain minerals which are seldom found in the richer parts of lodes; in those which yield copper ore, chlorite (provincially called peach) is one of the most conspicuous. The occurrence of tin ore in the deeper parts of lodes which have previously produced copper ore only, is accounted a very unfavourable indication. Ores of a certain character produce the same metal; and the miner, from experience, can immediately say which ore contains copper, which tin, and which lead.

It is generally, if not invariably, the case that a peculiarly favourable matrix for copper ore is found at the juncture of killas and granite, and the richest and most numerous veins are generally discovered in killas (clay-slate) at no great distance from the granite, and are seldom sought after anywhere else by cautious miners. The pale blue killas generally accompanies a rich vein of copper, and it is the easiest to work on, in sinking shafts and pursuing discoveries. The lodes vary in width from 1 in. to 30 ft., but the most general in tin and copper veins in Cornwall is from 1 ft. to 3 ft., and in the thinner veins the ore is less mixed with other substances. A lode composed of beautiful spar, yellow ore, white iron, and a portion of mundic, is seldom known to fail making a great quantity of ore. The underlay (or deflection from the perpendicular) of lodes is north and south. If the north side of the roof of a church were, retaining its slanting position rich in every other; that such a lode may be rich in many parts, distant from each other, has been proved in several instances; but for want of proper attention to the connection which appears to exist between the odes and the rocks which they intersect, very large sums of money have been spent to no purpose. In Wheal Ann 30,000 were lost in exploring the same lode as had been rich in Wheal Alfred; had it been a different lode, the adventurers would have been satisfied with a much less expen-

lode, the adventurers would have been satisfied with a much less expensive trial. In Tregajoran and Barnecose (Carn Brea) the adventurers laid out, and eventually lost, a large sum on the lode which had been productive in Cook's Kitchen and Tincroft—on the other hand, in several mines, of which the principal lodes were partially exhausted, by driving northward and southward, other lodes have been discovered, which are now uncommonly productive.

The fairest method of working a mine, and which is generally adopted in the best conducted, is to promote discovery; ground being constantly opened, but not more than half the ore found taken away, the other half being left as a reserve, in case of any temporary falling off in the mine, that there may be something to fall back upon whilst operations are extended in search of more; and great skill and judgment are required in a mining captain to arrange the workings, so as to keep up a regular and good supply of ores.

pply of ores. egitimate value of a mine chiefly depends upon the value of the

ore actually discovered underground, and the reasonable anticipations of

ore actually discovered underground, and the reasonable anticipations of further discoveries being made, as determined by the state of the mine and the richness of the district in which it is situated—the value of the mineral produce of the market, and the value of the machinery, materials, and erections on the surface; and persons entering upon mining, with the view of a permanent investment, would do well to remember this, and not to take as a sole criterion of the value of a mine, its having realised large profits; for there is such a thing known to miners as "picking out the eyes" of a mine, or taking away the reserved ores, in order to make those very profits, and so raise a fictitious value for their shares in the market! Many cases have occurred where every bunch of ore discovered has been exhausted, and the profits divided immediately; so that when the lode, for a time, became small and profitless, calls had to be made upon the pockets of the proprictors for money to extend their operations, which, by proper management, should have been paid out of the produce; and the mines, in consequence of not paying, have been "knocked," or abandoned, by one party, and soon after taken up by another, who, by working fairly and properly, have made them both good and lasting.

In the case of a lode unexpectedly becoming poor, the mine, under this dangerous system of working, has no resources in itself to furnish the means of paying its ordinary expenses. The system of taking away all the ores may be compared to a man who lives at the very extent of an income which is dependent upon his own exertions. If a fit of sickness overtakes him, he has no resources whatever; but, independently of the risk which attends this system, it is enormously expensive. In the first place, it is obvious, that even if all the lode consists of ore, a mass of ore can be taken away from above, at much less expense than from below; but this is the least important part. In stoping downwards, the whole of the lode, whether good or bad, must be

expense in dressing it, and causes considerable waste, as when so much washing is necessary, the finer parts of the ore (especially the rich black oxide of copper) are liable to be carried off by the water. This mode of working also occasions a much greater consumption of timber, for the pur-pose of keeping open the space from which the lode has been taken.

[To be continued in next week's Mining Journal.]

PROGRESS OF MINING IN FRANCE AND BELGIUM .- The usual annual reorts have been presented in both the above countries. In France, it appears that in 1850, 20 new mines had been opened, principally iron, which hold out nise of productiveness; some extensive coal seams had also been discovered, promise of productiveness; some extensive coal seams had also been discovered, of excellent quality. Many modern improvements had been introduced, particularly in the coal districts, and in respect to ventilation; and upon the whole, mining enterprise is encouraging. In Belgium, a large increase is the development of her metallic resources has taken place. The iron forges have been continually in full work, and few furnaces are now out of blast. The demand for iron has been considerable, particularly in rails, both for foreign demand and home consumption. The zinc trade has much improved, and exports have been considerable. The collieries are in full operation, and exports of coal to France expected to increase under the new tariff.

THE GREAT EXHIBITION.—Rapid strides towards completion have been taken during the week in every branch of the works of the Crystal Palace, and it may be stated generally that the progress made and the results obtained are it may be stated generally that the progress made and the results obtained are most satisfactory. A large number of men are employed in-laying down the ground and gallery flooring; and looking to the extent of the space covered within the last few days, the advance of this important portion of the building will be strikingly illustrative of the magical rapidity of construction which has hitherto challenged the admiration of visitors. The face boarding of the lower part of the building has also been pushed forward energetically. The painting executed has been contined almost exclusively to the roof and the sash bars. The final and decorative part of this branch of the works, it is almost needless to state, must await a complete absence of dust, and a condition of reposition that the structure, which are not obtainable at present. The glazing of the transept progresses steadily, and it is hoped will be finished before the close of next week. Some portions of the gallery railings have been fixed in their places. They are light and graceful, and when completed will form a very important item in the catalogue of internal ornamentation.

INDUSTRIAL EXHIBITION OF 1861.—We are well pleased to find that our able

INDUSTRIAL EXHIBITION OF 1851 .- We are well pleased to find that our able pondent, Mr. Andrew Smith, the patentee of the wire-rope, has contriouted secestees original inventions, all of which have been patented, at an expense, with the construction of the necessary machinery, of 30,0002. We might refer to the several patents, but trust one or other may yield profitable returns, as they well deserve. measy four import downers subject on the tion e 90 tim obtain He als

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Original Correspondence.

WASTE GASES FROM THE BLAST-FURNACE.

SIR,—I feel called on to state, with reference to a communication you have copied into your paper, from the Journal of the Franklin Institute that, as far as my experience goes, the inconveniences stated by Mr. that, as far as my experience goes, the inconveniences stated by Mr. Damsel to attend the use of my patent do not exist; but, on the contrary, at these works, at Victoria, Dundyvan, and elsewhere, the furnace managers find the burden heavier and the drawing better. Indeed, the improvement in these respects, claimed at Victoria and Dundyvan on their new furnaces, is quite extraordinary. Not having heard of Mr. Damsel's name as connected with the iron manufacture of this country, I am at a loss to guess where his experience was arrived at; and I can only say that these works are always open to public inspection, for the verification of any better are always open to public inspection, for the verification of any better are always open to public inspection.

EXPLOSION OF THE BOILER AT CROW TREES, AND THE GOVERNMENT INSPECTOR.

GOVERNMENT INSPECTOR.

SIR,—In the Mining Journal of the 21st Dec., relative to the explosion of the boiler at Crow Trees, it was stated that the Government inspector of mines had examined the boiler an hour previously, and pronounced it safe. This, allow me to inform you, is altogether an error. The inspector had examined the underground workings of that mine for a specific purpose; and his attention was neither called to the boilers, nor did he on that occasion examine them at all; nor, probably, had he examined them, could he or any one have foreseen such explosion, provided the boilers appeared in good repair. The cause of boiler explosions seems enveloped in mystery, occurring to new as well as to old boilers. The local engineer swore at the inquest that he had examined the boilers half an hour before, and found them all right. Two valves to each boiler—one open to the engineman, the other locked, and of two different constructions—seems the only safe mode for securing against such accidents; but more of this another time. It is but justice to the Government inspector that the fact I have above-stated should be known.

M. tor that the fact I have above-stated should be known.

MR. BRUNTON'S FAN MINE VENTILATOR.

SIR,-The increased attention which has been bestowed on the subject of mine ventilation during the last three or four years, has served to stimulate the ingenuity of mechanicians, and those concerned in mining, in order to discover some means of greater efficiency, and less liable mulate the ingenuity of mechanicians, and those concerned in mining, in order to discover some means of greater efficiency, and less liable to accident than the furnace. Of these proposed improvements, Mr. Gurney's high-pressure steam, Mr. Struvé's ventilator and Mr. Brunton's fan appear to be the best of the plans which have been suggested, and to have been the most favourably received. The high-pressure steam, and Mr. Struvé's æriometers, have been fully described and discussed in your columns, whilst Mr. Brunton's very ingenious and simple contrivance has only been slightly or incidentally noticed. Whatever has a tendency to attract and keep alive the interest of your readers in this important subject, can scarcely fail of being advantageous, and may possibly be a means of eliciting facts and suggestions of great practical value. As a pupil of the celebrated Watt, and as an engineer of great talent and acquirements, who has for the long period of 50 years been engaged in the application of machinery to mining operations, Mr. Brunton is peculiarly qualified, both by education and experience, for the task he has undertaken, and a plan suggested by him is well deserving of an attentive consideration. Actuated by the same liberal and benevolent motives which influenced Mr. Gurney in not patenting his discovery, Mr. Brunton has also generously given his invention to the public, and, therefore, it may be adopted, without incurring any annual payment as a patent right.

Mr. Brunton describes this machine as being constructed over the upcast shaft, or over a chamber connected by a short tunnel with it. The top of

shaft, or over a chamber connected by a short tunnel with it. The top of the shaft is closed by moveable platforms. The fan is a hollow drum of sheet-iron with radial compartments, through which the air is discharged sheet-iron with radial compartments, through which the air is discharged with that degree of force due to the velocity with which the drum revolves upon its axis. The exterior diameter of the drum is 22 ft., with compartments 6 ft. long, measured radially; 16 ft. being their mean diameter, the centrifugal force at 120 revolutions per minute will be 39°25 lbs., which, multiplied by the weight of 6 cubic feet of air = 140 ft of a pound, will give a pressure of 17°5 lbs. on the square foot, as the amount of rarefaction produced in the interior of the drum, and, consequently, in the upcast shaft with which it is connected. The drum is to be driven by a small engine placed horizontally on the masonry supports, and connected directly with the vertical shaft of the drum. The machine is a new modification of the fan, and its construction is of the most simple character; it has no valves or separate moving parts; has no attrition, and all the fricfaction of the fan, and its construction is of the most simple character; it has no valves or separate moving parts; has no attrition, and all the friction is resolved into a foot pivot moving in oil; when at rest it offers no impediment to air ascending from the shaft; it is inexpensive, and not liable to derangement; in short, says Mr. Brunton, it is a simple mechanical implement, whereby any degree of rarefaction necessary to ventilation is rendered certain and regular, being subject to the law of central forces, which is as fixed and determinate as that by which a stone falls to the carth.

In order to test the capabilities of the machine, Mr. Powell h erected, under Mr. Brunton's superintendence, at the Gelly Gaer Colliery, near Cardiff, with an intention of adopting it in some other of his collieries, should it be successful. After remaining for some months at this colliery it was removed, with the intention of applying it to the Duffryn Colliery, the property of the same gentleman. Circumstances occurred which have delayed its re-erection, and in consequence it was very generally reported that the machine had failed in accomplishing its object; whereas it was never intended to remain permanently at Gelly Gaer, but were which have delayed its re-erection, and in consequence it was very generally reported that the machine had failed in accomplishing its object; whereas it was never intended to remain permanently at Gelly Gaer, but was merely plaged there as an experiment, and was considered by all who had an opportunity of seeing it at work to have been eminently successful. "I am fully persuaded," says Mr. Powell, in a letter to Mr. Brunton, "that the ventilator which is creeted at my colliery (Gelly Gaer) will answer the purpose, and prove a blessing to all concerned in coal mines." Mr. Dobson, mining engineer, in his evidence to the Committee of the House of Lords, said—"I think it is the most simple means of ventilating by machinery that I am aware of. I think the machine itself is much less liable to accident than any other machine of the kind. I think it a much more powerful means of ventilation than the furnace." Mr. Barber, C.E., had also inspected the machine whilst at work, and stated to the same committee—"I think the principle is safe and good, and that it is a great improvement upon the furnace. The circumstances under which it was tried were not favourable for testing its merits to their full extent; for instance, the engine was a condensing engine, and ill adapted for high velocities. The wind-ways in that colliery also present very objectionable obstructions to the free passage of the air; in one case the aperture is only 18 square inches, and in another 2 feet by 3 feet." It was also stated by Mr. Dobson that the air-ways at the top of the shaft were so imperfectly covered as to allow the admission of air from the surface, which seriously diminished the effect of the machine underground. Yet, under all these very great disadvantages, it appears to have maintained a ventilation of 18,000 cubic feet per minute. On being visited by several engineers, coal-owners, and mining agents, it was found that the machine maintained a diminished the effect of the machine underground. Let, under an inesevery great disadvantages, it appears to have maintained a ventilation of 18,000 cubic feet per minute. On being visited by several engineers, coal-owners, and mining agents, it was found that the machine maintained a rarefaction in the upcast shaft equal to $2\frac{1}{2}$ in. of water, or 13 lbs, on the square foot. In one of the air-ways, the mean area of which is $9\frac{1}{2}$ ft, the air was propelled at a velocity of 32 ft. per second; and afterwards, in its way to the upcast pit, on passing through an opening of only four square feet, it attained a velocity of 70 ft. per second, exhibiting a degree of rarefaction and power of propulsion (the chief objects of the experiment) to the entire satisfaction of all the gentlemen present. The air was carefully measured in its passage through one of the levels 6 ft. square, when it was found travel 20 yards in seven seconds. On the following day a very important experiment was made, by stopping the influx of the air from the downcast shaft, and in less than five minutes the whole of the colliery was subjected to a rarefaction equal to $\frac{3}{6}$ ths of an inch of mercury = 21 lbs. downcast shaft, and in less than five minutes the whole of the colliery was subjected to a rarefaction equal to \$\frac{1}{4}\text{ths}\$ of an inch of mercury \$= 21\$ lbs. on the square foot. Mr. Brunton says that at Mr. Powell's pit a rarefaction equal to 2 inches of water was produced by the machine revolving 90 times in a minute, and that with 200 revolutions per minute he could obtain a pressure equal to \$\frac{9}{4}\$ in. of water, or 48 lbs. on the square foot. He also says that he never obtained in South Wales a greater rarefaction by furnace than \$\frac{1}{4}\text{oth}\$ ths of an inch of water \$= 1\frac{1}{2}\$ lbs. on the square foot, and that in the Haswell Colliery, which is considered as one of the best ventilated collieries in the north of England, the highest pressure he observed was 8 lbs. on the square foot, or \$\frac{1}{4}\$ in. of water.

The cost of the machine is estimated at \$5L\$, and a high-pressure engine, with boiler of 3-horse power, which is said to be sufficient, at 75L; the whole, therefore, in complete working order, will cost \$150L\$. The annual

cost will be very inconsiderable; and it appears to be the unanimous opinion of all who had an opportunity of inspecting it whilst in operation, that it is not only a safer and more efficient means of ventilation than the furnace, but is also much more economical. These recorded facts and opinions are unequivocally demonstrative of the value of this invention; and although the writer had not an opportunity of seeing the machine in operation at the Gelly Gaer Colliery, the foregoing results are strongly corroborative of the effects produced by a model of the machine which he saw in London last year.

win London last year. Without entering into a discussion as to the relative merits of this machine when compared with the furnace, high-pressure steam, and Mr. Struve's invention, it will scarcely be denied that this mode of ventilation, either as a sole or auxiliary power, is an important addition to the means previously known; and that Mr. Brunton has done good service to the cause of humanity, by the modifications and improvements he has made in applying the fan to mine ventilation.

J. RICHARDSON, C.E.

Neath, Dec. 28.

SAFETY-LAMPS.

Sir.—Davy's lamp has been represented by some as a perfect preventor of explosions of fire-damp; but it is well known that, even when untouched by the recklessness of the miner, it is not always infallible, and Mr. Kenyon Blackwell, in his statement relative to the recent Aberdare explosions. Blackwell, in his statement relative to the recent Aberdare explosions, confirms this:—"The Davy lamp (he says) is liable to accident, especially if long exposed to an explosive atmosphere." It is not improbable that some of the many and mysterious accidents that have happened in coal mines may be due to its deficiencies. To remove some of these, I proposed, through the medium of your Journal, more than 12 months ago, that the use of the Davy lamp should be discontinued, and that the Clanny lamp should be always employed, but with the addition of a double wire gauze. By this means a greater degree of safety would be ensured; for should the inner gauze become too hot or defective in any way whilst in the mine, the second covering would render any disastrous result impossible, for the want of security would be rendered evident by the burning of the fire-damp (supposing it to be present) between the inner and outer coverings, and the lamp could be removed.

The cause of humanity requires that every means should be adorted to

(supposing it to be present) between the inner and outer coverings, and the lamp could be removed.

The cause of humanity requires that every means should be adopted to preserve the life of the miner, which is at all times exposed to much danger; and, as the chance of explosions of fire-damp is not entirely removed by the use of the Davy lamp, does it not become the duty of coal proprietors to employ a more secure lamp, especially when it is to be obtained at a trifling additional cost?

A double gauze would not answer with the Davy lamp, because it would not or great a degree of obscurity, but Davy lamp, because it would produce too great a degree of obscurity, but with the Clanny lamp there could be no objection raised on this account to the adoption of the suggestion.

J. J. Lake.

to the adoption of the suggestion.

Ordnance-office, Portsmouth, January 8.

THE AMERICAN CHURN.

THE AMERICAN CHURN.

SIR,—I was surprised the other day in examining the structure of the American churn to observe how slightly it differed from the ordinary revolving barrel churn, and on how slender a thread the patent was suspended. I do not complain of this slight modification, or its simplicity of structure; but, as appears to me, the price imposed on the article is beyond a parallel. It could certainly be made for a few shillings; and yet thirty shillings is its selling price, and that, too, for a machine calculated to make only 4 lbs. weight of butter! However, the cupidity of the patentee has defeated his own object in a languid and limited sale. Of its price, and consequent lack of sale, the ironmonger, as I think, justly complains. I do not want anything of the kind; I only plead for the public benefit.—J. Murray. benefit .- J. MURRAY.

ADULTERATIONS-GUANO.

ADULTERATIONS—GUANO.

Sir.,—We are assailed with adulterations on every hand. Wherever we turn, spurious and sophisticated articles are presented to us; and the genuine article seems now to be the exception. Never were the appliances of chemistry more loudly called for, or their aid more valuable. Even in the article of peroxide of manganese I have seen FIFTY per cent. of sand! The other day, a specimen of so-called "Peruvian guano," bought at 9l. a ton, was shown me. It proved to be worthless rubbish—light garden soil, to which had been superadded ammoniacal matter, and as it seemed to me that of the gas-works.

seemed to me that of the gas-works.

Another specimen which I analysed did not exhibit a trace of ammonia! I pronounced it to be a little lime rubbish, mixed with earth, taken from the middle of a field; and the sequel proved I was entirely correct.

A more outrageous imposition on public credulity has, perhaps, never before here med.

By nefarious practices such as these, the farmer is robbed of his money, and cheated of his produce. The crop for the season is marred, and the community suffers in the diminished returns of harvest. J. MURRAY.

ADULTERATIONS OF FLOUR AND BREAD.

SIR,—I believe that the adulterations of flour are ramified and extensive; indeed, in the district I have recently visited, convictions before magistrates have been numerous, and their decisions in these cases of adulmagistrates have been numerous, and their decisions in these cases of adulterations of flour, &c., amply sustained. I have certainly found in numerous cases the bread adultered with alum, and that, too, in home-made bread—proof sufficient and ample that the alum had been previously introduced into the flour. Thus are the bounties of a beneficient Providence marred by the diabolical deeds of man; for I do not remember a season wherein the wheaten flour was fraught with richer supplies of that distinctive and characteristic principle, vegetable gluten (the most nutritious of organic forms in vegetable nature), than that of the present year.

Broadstone, Stranraer, N. B., Jan. 3.

J. Murrax.

LEAD IN SUGAR-SCOFFERN'S PROCESS.

LEAD IN SUGAR—SCOFFERN'S PROCESS.

SIR,—A few days ago, I analysed a specimen of refined sugar, and obtained clear and unequivocal evidence of lead. Verily, there is "death in the pot." I speak advisedly when I give it as my decided conviction that there does not exist in the whole catalogue raisonné of poisons one more insidious and subtle than lead. I except none of its salts; they differ only in degree. That lead, as well as arsenic, was employed by the infamous Locusta of remote antiquity, and formed an ingredient in the secret and slow poison of the aqua tophana, there can be no reasonable doubt. That among the poisonous contents of the horrid casket of St. Croix and the Marchioness Brinvilliers both lead and arsenic were mingled, has always appeared to me self-evident.

I plead for the weal of the community, and act on the principle of self-preservation, when I denounce in the most unqualified terms Dr. Scoffern's process for the refinement of sugar by a salt of lead, and can only express my surprise that a patent should have been granted for a process of dangerous.—J. Murray.

PRUSSIC ACID AND ITS ANTIDOTE

PRUSSIC ACID, AND ITS ANTIDOTE.

SIR,—The earliest antidote I proposed for that truly formidable poison, prussic acid, was ammonia; but ammonia proved only partially antidotal. In chlorine, and the chloride of lime, &c., I found antidotes the most complete and determinate. In recently investigating bichloride of iron, commonly called permuriate of iron, as a re-agent for the detection of hydrocyanic acid, I discovered that the bichloride of iron was an effectual anti-dote to prussic acid! This being always available at almost every druggist's, makes the boon more valuable.

J. Murray.

THE MUD OF THE NILE.

THE MUD OF THE NILE.

Sir,—In diligently considering the researches of Prof. Ehrenberg on the deposits of some rivers, as discovering various kinds of infusorial animalculæ, it occurred to me that the mud of the Nile might, partly at least, owe its fertilising properties to the presence of similar deposits. I had already proved the presence of soda salts, carbonate of lime, peroxide of iron, &c., in the mud of the Nile; and the lens having given me unequivocal traces of organic forms, I pursued my chemical investigations, and by the action of pure caustic potassa, and the test of turmeric paper, &c., received the most clear and unequivocal evidence of the presence of ammonia—one grand source of the fertility communicated to the land of Egypt by the annual inundation of the Nile.

J. Murray.

as a safeguard; but I would, to make "assurance doubly sure," surround both these structures with conducting rods on the mount of the surround sure. th these structures with conducting-rods, on the principle of paragréles.

Broadstone, Stranrarer, N. B., Jan. 6.

J. Mueray.

THE LIVERPOOL POWDER MAGAZINES.

TO THE EDITOR OF THE LIVERPOOL MERCURY.

SIR,—The question of lightning conductors for the Liverpool powder magazines merits serious consideration. Shall the sacrifice of public safety be made at the shrine of Favouritism, or the authority of a name? There is idolatry everywhere; and Lord Bacon was right in the diversified forms under which the "idola" is worshipped; for there is more than one species of the genus "idola."

species of the genus "idola."

Snow Harris's lightning conductors for ships—and, as far as I know, the principle has never been attempted to be carried into effect on land—consists of nailing strips of brass to the masts of ships at sea. Every one acquainted with the elements of electricity is familiar with the tendency of the dissipation of electricity by angles, and edges and points. I can fearlessly appeal to the experience of every sound electrician, and Mr. Martyn Roberts, an eminent authority, has given an opinion entirely unspection.

favourable to Harris's conductors.

I was the first to propose copper in substitution for the tron that had been previously exclusively employed as the material for conductors; and my lightning-rod is, moreover, cylindrical—the form best calculated to re-tain and convey the electricity.

More than fifty of my conductors have been erected in Great Britain,

and have been in successful operation for 25 years!—a sufficient test, surely, of their superior excellence, and an ample pledge of their entire and unqualified safety. The invention has been of no pecuniary advantage whatever to me.—J. Murray: Broadstone, Strancaer, N. B., Jan. 4.

Knockmahon Copper Mines, Waterford.—Although the actual returns from these mines during the past six months have not equalled the expectations entertained by the directors of the Mining Company of Ireland, by whom they are owned, yet the improvement in the prospects is very considerable. The increased searches induced by the liberality of the Ecclesiastical Commissioners as regards Knockmahon royalty, and the arrangements for a new lease of Mrs. Osborne's section of the mines, have already led to valuable discoveries at each end of the extensive range open on the former section, in addition to the discovery of ore to some extent within the old workings; and in the deep level, 200 fins. from the surface, it is ascertained by the course of the large lode upon which openings have been made in Tankardstown, part of Mrs. Osborne's property, that the lode passes into the estate of the Ecclesiastical Commissioners at about 150 fathoms distance from the present end of the level, where the prospects at the depth of 24 fathoms justifies the expectation that a lode of such magnitude, and of such favourable appearance, will yield satisfactory returns in both properties; and at the western end of the range, on Mrs. Osborne's estate, a decidedly valuable course of ore has been discovered at the depth of 50 fms., upon which some pitches have been set at the low tribute of 4s. 3d. in 11. The searches which led to those discoveries have occasioned considerable expense to the company in the past half-year, as set forth in the KNOCKMAHON COPPER MINES, WATERFORD .- Although the actual returns considerable expense to the company in the past half-year, as set forth in the accounts; and the sinking of the intended shaft, together with the prosecution of the searches in Tankardstown and Knockmahon, will require a further outlay of considerable amount, which will, however, it is expected, be amply compensated by the workings in ore already discovered—the present price of copper being more remunerative than it has been for some years past.

REDGAR AND MIDDLESBROUGH RAILWAY.—On Monday the branch line connecting the iron stone works at Eston Nab, in North Yorkshire with the Middlesbrough and Redgar Railway, was opened.

WHEAL CARPENTER, in the TAVISTOCK DISTRICT. VV —The following REPORTS were read at the GENERAL MEETING of adven-turers, held at the Bedford Hotel, Tavistock—the series of Resolutions passed at which appeared in last week's Atlanty Journal:—

tuvers, held at the Bedford Hotel, Tavistock—the series of Resolutions passed at united appeared in last week's Mining Journal:—

Captain John Key's Report.

Wheal Carpenter, Nov. 6.— We have driven our 10 fathom level west 8 fathoms on the north side of the lode, where we have had very fine stones of lead ore throughout. The water increasing so fast here, I thought it advisable to stop this end, and to commence driving east a few fathoms, to prove the lode, whilst the water would admit of our doing so. The north wall letting down the water so fast, we drove east about 8 feet on the south side of the lode, where we cut a branch of copper ore about 9 inches wide, of very good quality; here a small cross-course intersected the lode, where we had a fine branch of lead for a few feet, when we again cut the branch of copper, which is about the same size (the cross-course has not love the lode). We have driven this eads fathoms, at 30s. per fathom. I cannot say the size of the lode, as we have not been faking down all the lode in the lode in the lode. The lode is a swe have not been faking the water is 18s. for every 24 hours, which, of course, must be stopped, and machinery applied for that purpose. Taking the general appearance of the lode, Immis ray, according to my opinion, it has a very flattering appearance, and well deserves a vigorous prosecution. I have visited nearly all the mines in this neighbourhood; and cannot point out any new concern that is looking half so promising as Wheal Carpenter.

JOHN KEY.

secution. I have visited nearry at the mines in this negligibilities, and calling power out any new concern that is looking half so promising as Wheal Carpenter.

Wheal Carpenter, Noc. 22.—In accordance with the resolution passed at your last meet ling, we have taken a survey of the surface of the set. The water is up to the lobby, and we, therefore, could not inspect the lode where explored at the 16 fathom level. Its produce, however, from the limited extension of that level, fully confirms the report made, by Cap. Key in Nov., 1846. The specimens of copper ore still remaining at the surface gives us every reason to believe that if the lode is prosecuted with the vigour such indications fully warrant, and we strongly recommend, there is scarcely a doubt of the mine being a productive and profitable one; or, at all evenls, it is a rare occurrence-to see such good stones of ore produced from the back of a lode so near the surface; and the congeniality of the stratum is, in our opinion, every thing that can be desired to bear out our anticipations of the lode sproductiveness. We, therefore, recommend the preparatory operations, such as bringing in a lobby to drain off all the surface water from an engine-shaft, which we propose to sink about 20 fathoms north-east of the present shaft, whereby it may take the lode at or about 50 fathoms deeper, first to sink it 20 funs, and then drive a cross-cut to see the lode at or about 50 fathoms deeper, first to sink it 20 funs, and then drive a cross-cut to see the lode of 0 fathoms deeper, than it has already been seen, from which level you may either rise or sink on the course of the lode, as circumstances may require, for the better ventilation of the different future operations, as well as for facilitating the drawing of the ores. We think a 30-inch cylinder steam-oughe, with its suitable appliances, will suffice to command extensive explorations on the lode, 548. CARPENTER, of Wheal Anderton.

JOHN KEY, of Wheal Anderton.

JOHN KEY, of Wheal Fortescue.

CAPTAINS SECCOMBE AND DUNSTAN'S REPORT.

South Sydenham, Dec. 2—We have this day carefully surveyed the above mine sett, comprising extensive limits in the lands of Mrs. Carpenter and Mr. Perkin, and find that its situation, relative position, and prospects, fully warrant the description already given of it in the former reports of Captains Carpenter and Key. The lode, which is of an east and west bearing, with a north underlay, is upon the back large and well-defined, composed of flookan, gossan, and quartz, with a leader containing good stones of lead. We saw at the surface a heap of stuff, which was broken from the lede about 10 fathoms from the surface, in which we found very good stones of yellow copper ore, which, from its composition, the nature of the stratum, and other geological and mineral indications. fully warrant our opinion that a rich deposit of copper ore may be expected at a reasonable depth. Judging from these facts, we feel perfectly justified in recommending this mine as a speculation well worthy of a most sphride trial; to effect which, we recommende the sinking of a perpendicular shaft, of sufficient size for a steam-engine of from 30 to 40-inch cylinder, which should be fixed so as to intersect the lode at about 50 ms. deep. This engine should be created without delay, and during the shirking of the shaft above recommended, we advise a flat-rod to be attached to the engine, and applied for drawing the water out of the present shaft, and so further explore the lode at the 10 fm level, whence the produce we have seen was raised; and in the extension of this level we think there is every probability of ore being raised to aid considerably the costs of the works we recommended.

ROBERT DUNSTAN, Of West Caracion, &c.

Tavistock, Dec. 6.—Referring to the reports of Captains Key, Carpenter, Seccombe, and Dunstan, I beg to say I fully concur in their representations of the character of the Wheal Carpenter lode, as also the expectations entertained by them of its fature preductiveness. When there I broke some stones of lead are over 2 lbs. weight each from the flookan on the north part of the lode, west of the shaft, in the lobby; these produced 14 in 29 for Carpentor 1018, as use the expectations entertained by them of its future productiveness. When there I broke some atones of load ore over 2 lbs, weight each from the flookan on the north part of the lode, west of the shaft, in the lobby; these produced 14 in 20 for lead, or 70 per cent., and 26 ozs. of silverlin a ton of ore, the which at Quay is worth £14 to £14 10s. per ton—this is a fair sample. I also picked up some of the best pieces of yellow copper ore from the leaps which came from the 10 fathom level east; these produced 27 per cent. for fine copper—showing that this ore intrusically is of a superior quality. Their recommendation to sink a shaft to cut the lode at a fair depth is judicious; but with respect to the application of steam power, although fully deserving it, your sett will be so much the more valuable provided water can be substituted. I have looked at such streams in the yleinity as can be readily applied; I would, therefore, strenuously advise your being correctly informed whether it is stifficient or not, for, independent of the first outlay in favour of water-power over steam, the future maintenance is of no inconsiderable moment. I shall be glad to secure, for self and friends, a few shares in this adventure.

The report of Mr. Hitchins and Mr. Nathaniel Smith, ongineer, relates solely to the adoption of water-power for working the mine, which will depend upon the result of the third resolution.

THE ARCHITECT, incorporated with the Civil Engineer THE ARCHITECT, incorporated with the Civil Engineers and Architects of Journal - Established in 1837—Published weekly, price 4d., or stamped 5d., and in monthly parts 1s. 6d.—for Civil, Mechanical, and Military Engineers, Architects, Builders, Surveyors, Patentees, and all scientific men. This Journal is illustrated with numerous plates and engravings from the best examples of public works, buildings, and machinery, at home and abroad, forming a complete Encyclopedia of Modern Engineering, Architecture, and Science. It reckons among its contributors and supporters the most eminent members of the profession in England, Scotland, and Ireland; and, as a work of reference and of current information, has been long received as an authority in the United Kingdom, America, and the continent of Europe. It also contains a sease of all the principal Scientific Scotler's, proceedings.

The last Volume, for 1849, contains 22 "hastes" and 238 wood sugravings.—The Thirteen Yolume, say be had, bound in cloth, 241, each.

To be included the Committed of Sons, Paternoster-row; Sutherland, Edinburgh; McPhun, Clessow; Lobertson, Dublis; Mathals, Paris, Movier, Madrid: W. Campbell, Hamburgh; McDundl, Hamburgh; M

ACCIDENTS IN MINES.

According to our annual custom, we present our readers with a table of a melancholy occurrences which have transpired during the past year:—

the melanch	0.5 000	DEATHS.		nave tran	INJURII	15.	TOTALS.
Date. N	o. Exp	los. Othe	ers. To	tal. Expl	os. Othe	ers. Total	. Week. Month
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. 26 9		6	1				9 - 16
Feb. 2 8				1 4			9 6
. 9 8	6	7	1			1	12
. 16 17	8	14					28
. 23 4	6	2					10 - 59
Mar. 2 11	****	10					20
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., 16 11		6					11
23 7							94 -155
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Sept. 7 9	3	8	11				13
,, 14 16	1	13	14	1	4		19
, 21, 10	1		13		14		27
, 28 17	1		13		2		20 - 79
Oct. 5 5	1		4				6
,, 12 8	22	4	26				39
, 19 7	4		8	5	!		14
26 13	2		11	10	1		
Nov. 2 9	2		12	7	2		
., 9 10	13		21	24			
, 16 11	20		28	10	3		
,, 23 16	2		16	3	1		12 -139
30 9	****		6	6	::: 7		7
Dec. 7 6	****	5	5				69
14 20	17	11	28	37			13
28 10	14		21	3	2		26 -115
, 28 10	14		21	0			
464	282	350	632	190	83	273	905 905

From this it will be seen that the number of accidents was 464, being 58 more than in the year 1849, when they were 406, the total of deaths 632, while in the two preceding years they were 567; the injuries amounted in 1850 to 273, in the year 1849 to 341. Though there has been a frightful increase in the number of accidents that have been fatal, yet on the total of deaths and injuries a slight diminution has taken place, the return for 1849 being 908, while that of 1850 is 905. The number of deaths by explosions have been 282, fall of roof 149, falling in shaft 88, machinery 19, and various accidents 94; the injuries have been—explosions 190, falls of roof 30, falling in shaft 9, machinery 18, accidents 26; while in 1849 there were deaths respectively, 255, 154, 90, 16, and 52; and injuries 210, 52, 39, 23, and 17. On referring to the table, it will be seen that the greatest number of accidents took place in the month of March, when they amounted to 155, the number of deaths being 129; while the smallest amount was in January, when they were 16, out of which there were 14 deaths. The monthly average of deaths will be about 52\frac{3}{2}, and that of injuries 22\frac{1}{2}.

PREVENTION OF ACCIDENTS IN MINES.—T. C. Maynard, Esq., coroner for Easington Ward, Durham, has forwarded the following suggestions to the colliery viewers, for the prevention of accidents in mines:—

liery viewers, for the prevention of accidents in mines:—

That a notice board, painted in large white letters on a black ground, should be affixed at every place in each pit, beyond which it is unsafe or imprudent to use naked lights, intimating to the workmen that "No candle, or other naked light, is allowed to be used beyond this point, on any prevence whatever;" and at intervals throughout those parts of the pit where the Davy lamp only ought to be used, a similar board to the following or similar effect:—"No candle, or other naked light, allowed to be used here."

That proper printed instructions be given to every workman entrusted with a Davy lamp, previously to his being allowed to use it, and that the name of every individual receiving such instructions, and the time when given, should be registered in a book, to be kept for that purpose, and the entry authenticated by the signature of the person giving the same.

That inasmuch as the adoption of the former suggestions will afford ample proof of notice of the regulations having been given to each individual (for the want of which you are, no doubt, aware many have escaped conviction), no workman committing any breach of those orders and instructions should, if possible, be allowed to escape the punishment, awarded by the law for offences which experience has shown so frequently to result in the sacrifice of the lives of large numbers of their follow-workmen.

ACCIDENTS.

ACCIDENTS.

Hoyle.—Anthony Cock, a lan ler at the fire-xhim at Alfred Consols Mine, was killed by the barsting of the boller, which was a a cred to fragments; the boller was nearly new. Aberdare.—Wm. Evans, a boy of ten years of age, was killed at Mr. Nixon's coal-plt, by the falling from the top of a piece of coal, about 5 cwts.

South Heiton.—A man, named John Brown, in a state of intoxication, was on his way home, when, in passing over the pit heap, he foll over the scaffolding, a depth of 15 ft., on to an iron pinch, which pierced the intestine, and terminated fatally.

Lianelly.—At the Castle Colliery, three meu, named David Longhurst, William Williams, and John Morgan, were killed, by being thrown out of the basket in the course of its securit from the pit. It is supposed that one of the men, on getting into the basket gave it a lurch, which caused it to swing in its ascent, and come in contact with a partition beam in the pit, about 12 fms. from the bottom, by which the basket was litted, and the unfortunate men precipitated to the bottom. A nephew of David Longhurst was in the basket at the time, and sustained a severe fracture of the thigh, but will, it is hoped, recover.

pma, recover.

Durham.—As a boy named John Brown was playing upon the pit-heap at Hetton Colburham.—As a boy named John Brown was playing upon the pit-heap at Hetton Colbury. In foot slipped, when he fell into a bed of fire, and was burnt to death.

Kiliagneorth Colliery.—R. Henderson was killed by the falling of a stone at this colliery.

Pmilyrch.—William Llewellyn sustained a compound fracture of his leg by the fall of consulty of rathle.

nantity of rubble.

geom.—G. Partington was killed by a fall of coal at Mr. Round's Colliery, Tividale.

gerityr.—A braham Evans was killed by a fall of coal at the Werfa pit.

gassea.—An explosion of fire-damp occurred at Cwmbach, in a level belonging to
Traiscadwyn Iron-Works, when four persons were very severely burnt—one died
tiy after being brought out, and another is not expected to survive.

COAL MARKET, LONDON.

***FRICE OF COALS FRE TON AT THE CLOSE OF THE MARKET.

****MONDAY.**—Buddle's West Hartley 13 9—East Adair's Main 11 6—Hasting's Hartle 13 6—Howard's West Hartley Netherton 13 9—Tunfield Moor Butes 13 3—West Hartley 13 9—West Wylam 13 3—West Hartley 13 9—West Wylam 13 3—Well's-End Baxter 14 9—Harton 15 3—Hedley 15—Hill 13—Birchgrove Graigola 19—Covpen Hartley 13 9—Gors Goch Stone 22—Hartley 13 9—Sydney's Hartley 13 9.—Ships at Market, 187; sold, 51.

—Sydney's Hartley [3 9.—Ships at Market, 187; sold, 51.

WEDNESDAY.—Bate's West Hartley 13 3—Buddle's West Hartley 14—East Adair's Main 12—Hasting's Hartley 14—Howard's West Hartley Netherton 14—North Percy Hartley 13 3—South Pearch 12—West Hartley 14—Yest Wylam 18 6—Wall's-End Baxter 15 3—Brown 14 3—Bewicks and Co. 15—Gosforth 15—Haston 15—Hida 14 9—Lambton 16 6—North Hetton Lyons 15 3—Russel's Hetton 16 6—Scarborough 15—Stewaggs.16, 9—Whitwell 15—Hartleybool 16 6—Woolth Martleybool 16 3—Whitworth 12 9

—Additio-Res 16—Seymour Tess 14 9—South Durham 16—Hartley 13 6—Kilmarnoc Best Steam 13—Nizon's Merthyr 21—Whitworth Coke 26—Shipsatmarket, 240; 201d, 51
FRIDAY.—Carr's Hartley 13 6—East Adair's Main 12 3—Hasting's Hartley 13 G-Ravensworth West Hartley 13 6—Fandeld Moor 13 6—West Wylam 13—Wylam 14 6—Wall's-End Brown 13 9—Original Gloson 13 6—Hetton 16 6—Haswell 16 8—Pemberto 14—Russell's Hetton 16 3—Heugh Hall 15 3—Kelloe 16 6—Whitworth 12 9—Adelaid Tess 15 9—Brown's Desnory 14 9—Cleveland Tees 13 9—Beglie's Hartley 12 6—Compen Hartley 13 6—Hartley 13 3.—Ships at market, 227: sold, 59.

elivery of coals, &c., in the port of London during the	Ships. Tons.
Newcastle	. 425 140224
Sunderland	. 375 102675
Stockton, Middlesbro', &c	. 312 88980
Blyth	
Scotch	. 6 1040
Welsh	
Yorkshire, &c	. 21 2045
Small coal	. 6 1424
Cinders	
	-
Total imported in December, 1850	.1228 / 356,567
Total imported in December, 1849	358,750
ADDA THE RESIDENCE OF THE PARTY	-
Dacrasse in 1850	2,183

coals brought by canal, in the month of Nov., 1850, upon which the City's 26121 and ether dues were recouved.

Tons 2612
land coals brought by railway, the City's and other dues upon which were paid
hint che Chamber in the mouth of December, 1650

11837

Comparative Statement of 1849 and 1850.

January 1 to December 31, 1850 Saips 12,633

January 1 to December 31, 1849, 12,07 559 214.158 WHEAL GILL MINE—ST. CLEER AND ST. IVES,

NEAR LISKEARD, CORNWALLS.

Deposit £1 per share, divided into 1536 shapes.

Deposit & per share, divided into 1536 shapes.

A great portion of which are already taken up by respectable astirresponsible parties. This MINE is situate in the parishes of ST. CLEER and ST. IV. nearly 2 miles in length, and not far from those celebrated and profitable silver-lead mines, called Trelawny, Wheal Mary Ann, and Trehane—having several similar rich todes of lead running through the whole length of the southern part of the sett. Large rocks of silver-lead are now visible at the 16 fathom level, and can be taken away on tribute. These lodes can be cut also at the 34 fathom level, which is of immense importance.

There are also five known copper lodes to the north of the sett, of the most splendid description, with excellent cross-courses. These copper lodes are on the south-ast of those very valuable and profitable mines called South Caradon and West Caradon. One lode in particular has been worked on, and contains large and rich deposits of copper ore. This ore can be also taken away at tribute in the 54 fathom level.

All practical minesr in the neighbourhood of Liskeard admit that Wheal Gill is a very valuable and rich estt, both for silver-lead and copper ore; and it only requires a small capital to bring the ore to grass, and make the mine a rich dividend-paying mine. The former adventurers truly regretted the cassation of the mine, which was caused by not having samfleient steam-power at first, a circumstance too often loading to the abandon-ment of the richest mines in Cornwall. The present company have purchased a 70-inch cylinder steam-engine, of sufficient power to carry the mine down 200 fathoms, and many of the former adventurers have in consequence joined the undertaking, being fully satisfied of the results.

Ten years' perseverance and work, at an outlay of £15,000, has been already accomplished all of which the present company have secured from the leasees, and have that advantage, for the sum of £1500—as circumstance of from the leasees, and have that advantage, for the aum of £1500—a

REPORT OF EVAN HOPKINS, 1894.

This mineral property is "situate in a valley, a few miles north of the Trelawny Lead Mines. The general character of the formation is a variegated clay-state, traversed by numerous light blue clay veils, and also by cross-courses running from the Trelawny Lead Mines, and presenting every indication in structure, composition, configuration of the valley, and the gossan, for making large bunches of lead ore in depth, but more especially southward. On the west side of the main cross-course the rock becomes more hornblendic, and the east and west lodes have produced many tons of copper ore, with sulphuret of rine; a large bunch was also found in the east side of the valley. This is, as regards lead, a most important sett, and deserving immediate attention; and although it prodominates in lead and zinc, yet large masses of copper ore may be found westward from this point within the limits of the sett.

EVAN HOPKINS.

13, Austinfiars, London.

13, Austinfriars, London.

EKFORTS OF MESSES. JOHN SETMOUR, JOHN SPARGO, AND H. TAYLOR.

We have gone over this sett, and find therein two excellent ited lodes, which will produce abundance of silver lead at a very shallow depth, inasmuch as large rocks of lead may now be broken in the 16 fm. level. These lodes are not far from the rich mines of Trolawny and Wheal Mary Ann. They are similar, and can be cut at once at the 54 fm. level; so that you have a good lead mine at once. The copper lodes could only be seen on the backs, where they have a very good appearance; and we have been informed, by parties who worked on the mine last, that there is a fine course of copper ore in the bottom level, the last stone taken from the mine weighting upwards of 600 lbs. We have seen some of the ore, which is rich. We early recommend you to fork the mine immediately; you will then have a profitable mine. The enormous quantity of work done, the great outlay that has taken place, the actual discovery of a rich course of lead, and another of copper, quite satisfy us that very few setts present such advantages. Every practical miner in the neighbourhood of Liskeard speaks well of Whoal Gill.

J. SEYMOUR, Trevethy; J. SPARGO, Great Sheba; H. TAYLOR, West Caradon.

J. SEYMOUR, Trevethy; J. SPARGO, Great Sheba; H. TAYLOR, West Caradon.

REPORTS OF CAPTAINS S. RICHARDS AND JOSEPH REMP.

We have carefully surveyed the surface of this sett, which is a very extensive one, and find there are three lodes running through it, one cast and west, or copper lode, and two north and south courses, or lead lodes. The grounds about these lodes is a light blue killas, and in places it is highly mineralised. We can say but little of the castern lead lode, as the pit where it has been opened on is full of water. We saw, however, some flookan, quartz, &c., which was broken from this lode, and judging from its appearance, should say it is well worthy of trial, the ground being very congenial for lead, and we are informed that the lode is a large one. The western lead lode is about 24 feet wide, composed of cappl, quartz, and gossan—a very promising lode. We would recommend that this lode be first opened on the back, in places which would show the most promising part to commence spirited operations on; this lode is about that a mile east of the Trelawny lode, and is running nearly parallel with it. We had an opportunity of seeing the back of the copper lode about 60 fathoms from the engine shaft, where it contains a great quantity of fine gossan, capel, zinc, and rich spots of copper ore, altogether a large and very promising lode. From what we have heard and seen of the old mine on this lode, together with the two lead lodes and the work already done—viz., shafts sank, levels driven, &c., we consider Wheal Gill a fire speculation.

SECHARDS, Trebane Mine.

JOSEPH KEMP, Trelawny Mines—

CHEMICAL ANALYSIS, &c.—ANALYSIS and ASSAYS, or INVESTIGATIONS of ANY KIND, are UNDERTAKEN at the COLLEGE OF CHEMISTRY, LIVERPOOL.

Professor—Dr. SHERIDAN MUSPRATT, F.R.S.E.

Hon. Assistant—Mr. JOSEPH DANSON, F.C.S.

A list of Fees for Analysis, and for Students Working in the Laboratory, may be obtained by writing to Dr. Muspratt, College of Chemistry, Liverpool.

WIRE ROPE.—The UNDERSIGNED having recently

TRE TO THE CONTROL OF THE CONTROL OF

TEAM TO INDIA AND CHINA, VIA EGYPT.—Regular MONTHLY MAIL (steam conveyance) for PASSENGERS and LIGHT GOODS to CEYLON, MADRAS, CALCUTTA, PENANG, SIRGAPORE, and HONG-KONG. THE PENINSULAR AND ORIENTAL STEAM NAVIGATION COMPANY BOOK PASSENGERS and RECEIVE GOODS and PARCELS for the ABOVE PORTS by their steamers—starting from Southampton on the 20th of every month; and from Suez on or about the 10th of the month.

BOMBAY.—Passengers for Bombay can proceed by this company's steamers of the 29th of the month, to Maits, thence to Alexandria by her Majesty's steamers, and from Suez by the Honourable East India Company's steamers.

MEDITERRANEAN.—MALTA—On the 20th and 29th of every month. CONSTANTI-MOPLE—On the 29th of the month. ALEXANDRIA—On the 20th of the month.

SPAIN AND PORTUGAL.—Vigo, Oporto, Lisbon, Cadiz, and Gibraliar, on the 7th 17th, and 27th of the month.

FITH, and With of the month.

For plans of the vessels, rates of passage-money, and to secure passages and ship carge

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Mr. Nesbit's works on Land Surveying, Mensuration, Gauging, Arithmetic, English Parsing, &c., may be had of all booksellors.

Reference.—Dr. D. B. Reld, F.R.S.E., &c., House of Commons, Westminster; R. Proser, Esq., C.E., Birmingham; J. L. Bullock, Esq., Editor of Fresenius's Chemical Analysis, Conduit-street, Regent-reter; J. Gardner, Esq., M.D., Editor of Liebig's Letters, Mortimer-street, Portland-place; and W. Shaw, Esq., Strand, London.

CRAUFURD HOUSE

CLASSICAL, MATHEMATICAL, & CHEMICAL SCHOOL,

In this School it is sought to combine the development of the physical, moral, and intellectual powers with the acquisition of knowledge, and to make the course of study an introduction to the nursults of life.

troduction to the pursuits of the.
Cranfurd House, with capacious dormitories, dining, school, and play rooms, was erected
ar years ago, expressly for educational purposes; and since that time the establishont has been exempted from filness. The situation is elevated, in the vicinity of the
names, the scenery extended and picturesque, the air bracing, and the grounds com-

ment has been exempted from lilness. The situation is elevated, in the vicinity of in Iriames, the scenery extended and picturesque, the air bracing, and the grounds comprise 14 acres.

Besides the usual studies of Classical Schools, GERMAN and FRENCH are spoken-the latter language daily, with the assistance of natives, until Four o'clock. Mathematic are taught, theoretically and practically; there are drawing and singing classes. Physical science is pursued progressively, and the recently erected absoratory is devoted chemical analysis, now so essential to the miner, agriculturist, and manufacturer.

Mr. J. D. M. Pearce, A.M., will be happy to forward prospectuses and references I amount of the miner of the properties of the properties of the state of the properties of the properties of the properties of the properties.

BAROMETERS FOR THE MILLION.—The barometer—a philosophical instrument, which is always interesting, and, generally, of considerable utility, as forstelling the changes of the pressure of the atmosphere, and the consequent alteration of weather, either for fine or foul—has hitherto, from its costliness, been confined to the upper and middle ranks of life, but in few instances has it been found to grace the habitation of the artizan, working-man, or smaller class of tradesmen. We are glad to notice that a Mr. Brown has registered an improved arrangement of the Terrecellian tube, by which, while the mercury in the bulb is fully acted upon by, and delicately sensitive to, the changing pressure of the atmosphere, the vacuum at the top of the tube is retained, and the slightest alteration on the scale perceptible; and these properties are unaffected by alteration of position, slaking, or moving, when the instrument is again placed in position. In addition to the excellence of the principle of construction, Mr. Brown has determined to mount them in an economic style, by which they are brought within the reach of the millon, at a price about only a third of what barometers have hitherto been sold for, and yet have a very light and neat appearance. The same principle of Torrecellian tube can, of course, be had mounted in any style of elegance, and they are now being largely manufactured by Mr. Caselli, of Hatton-garden.

WHEAL ENYS TIN MINE, WENDRON, CORNWALL.

-Held under lease for 21 years, nearly 20 of which are unexpired, at 1-18th dues; to be reduced to 1-30th as soon as an engine shall be ersected.

Divided in 1070 shares, and conducted strictly on the Cost-book System, under the superintendence of a Committee.

Mr. JOHN TRETHOWAN, Little Falmouth, Purser. Messrs. TWEEDY & CO., Falmouth, Bankers.

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Mr. JOHN TRETHOWAN, Little Falmonth, Parser.

Messr. TWEEDY & CO., Falmonth, Bankers.

WHEAL ENYS MINE, held under lesse, from John Samuel Enys, Esq., of Enys, is situated at PORKELLIS, in the parish of Wendron, which it is almost unnecessary to state is one of the richest and most extensive tim districts in Cornwall. It extends about half a mile from north to south, and nearly one mile from east to west, on the run of the extraordinary number of 29 lodes, which have all produced tin from surface, to the adit level; some of them in very large quantities.

The mine has been worked from time to time by various parties of poor adventurers, who unfortunately never possessed means to erect machinery, with the exception of the last party, who worked between 30 and 40 years since. These men managed to erect a water-wheel, on Trevarno and Buck's Lodes, which was worked successfully and profitably during the whiter months; but in summer they had no water at surface, althouse to much in the mine to be kept under effectually by horses. With even these diventures the presence of the present of the present of the present time, a rich bottom of tin, 40 fathoms in length.

From that period nothing has been done, until about four years since, when the present company obtained the grant and subsequently the lease.

Up to the present time, they have cleared, secured, and continued the adit at a considerable expense (which is about 39 fus. from surface) throughout the sett. They have also cleared and secured several shafts, and driven cross-cuts, to intersect the lodes, which have been invariably found worked away at that level; but even from arches left by the old men, they have returned £400 worth of tin, in quality not to be excelled in the country, thus confirming all traditions respecting richness of the lodes. A still farther and stronger corroboration will be found in the fact, that every burrow (and the soft

Buildings, Liverpool; or to Mr. Williams, accountant and mine broker, Green Bank-terrace, Falmouth.

AGENTS' REPORTS.

The following are extracts from reports of mining agents, who have inspected the mine Capt. Richard Eustricz, of Stray Park Mine, says,—"When Enys is in granite, with a beautiful clovan course, running through the sett, near Trevarno and Buck's Lodes."

"There is no tract of land, to my knowledge, in the county, so abundant in mineral veins, lying togother, in such a convenient position for a well-arranged system of mining, and so situated as to render a small steam-power sufficient for the proper drainage of the whole."

""" "Even is not accompanient position for a well-arranged system of mining, and so situated as to render a small steam-power sufficient for the proper drainage of the whole."

""" "Set we month, a further outlay of from 270 to £80 per month for labour and materials (without taking into consideration the tin you must raise), immediately on getting under the old workings, or the burrows, which will pay for dressing, if you bring the water to surface; a new mine will be opened, which I have no donbtt, will quickly repay the outlay, and ultimately realise great wealth."

""There cannot be a doubt, that Wheat Enys, properly worked, will prove one of the most profitable mines in the county." Capts. Marxin and Bankers asy,—"When the last party abandoned the mine, about 40 years ago, from want of machinery, they left in the bottom level, on Trevarno lode, a rich bottom of tin, 40 fms. in length; very rich courses of tin were also left from the same cause on Buck's lode,"

"The water from the greater part of the lodes can be drained by a 30-inhe cylinder engine, which can be erected for about £600. Clearing and securing shafts and levels, with necessary erections, will require about £100 more; as othat a capital of about £2000 will make this one of the most profitable and lasting mines in the county."

"By drawing the water to surface you will be enabled to dreak the burrows, and retu

THE MINING ALMANACK, FOR 1851.—Circulars having been transmitted to the several Mines, requesting REPLIES to the following QUERIES, it is respectfully observed, that, in the absence of such on or before the 18th inst., the Editor will avail himself of the imperfect details at present in his possession, while the want of information will be explained, so as to assure the subscribers any tacks are not attributable to him.

Name of and Situation of Mine;—Term of Lease;—Dues;—Amount Paid per Share;
—Calls during the past Twelve Months;—Dividents Paid;—Quantity of Ore Sold;—Amount of Money;—Offices in London;—Name of principal Agent and Purser.

Offices of the "Mining Almanack," 25, Fleet-street, London.

EXHIBITION OF 1851.—T. P. AUSTIN, proprietor of PEELE'S COFFEE-HOUSE, FLEET-STREET, begs respectfully to inform his friends and the public generally, especially those interested in the forthcoming GREAT-EXHIBITION, that he has recently NEARLY DOUBLED THE SIZE OF HIS ESTABLISHMENT, which will enable him to afford increased comfort and convenience to those honouring him with their patronage. The FILES OF NEWSPAPERS and PE-MIODICALS, for which Peele's Coffee-house is so celebrated, containing all the reports of the Royal Commissioners, will be available to those visiting this establishment.

**a* The Mining Journal, in addition to all Publications connected with the Mining Interests, are regularly filed.—Bed and Breakfast, 3s., or £1 persecek.

DATENT IMPROVEMENTS IN CHRONOMETERS.

PATENT IMPROVEMENTS IN CHRONOMETERS,
WATCHES AND CLOCKS.

E. J. DENT, 82, Strand; 33, Cockspur-street; 34, Royal Exchange (clock tower area),
Watch and Clock Maker, BY APPOINTMENT, to the Queen and his Royal Highness
Prince Albert, begs to acquaint the public, that the manufacture of his chronometers,
watches, and clocks, is secured by three separate patents, respectively granted in 1835,
1840, 1842, Silver-lever watches, jewelled in four holes, 6 gs. cach; in gold cases, from
£8 to £10 extra. Gold horizontal watches, with gold dials, from 8 gs. to 12 gs. each.
or Meridian Instrument, is now ready for delivery.—Pamphlets containing a description
and directions for its use 1s. each, but to customers gratis.

MECHI'S ELEGANCIES FOR PRESENTS AND USE. The GREATEST VARIETY, for Ladies and Gentlemen, at MECHI'S MANU-FACTORY and EMPORIUM OF ELEGANCE, 4, LEADENHALL-STREET, LONDON, where may be suited the economical and inxurious—Bagatelle Tables, 34, 19a, to 18t, Writing Desks, 8s. to 30t; Dressing Cases, 15s. to 100t; Work Boxes, 5s. to 30t; Leather Writing Cases, 10s. to 7t.; ditto with Dressing Case, 4t. to 25t.; Tea Chesta, 7s. 6s. to 9t., Envelope Cases, 6s. to 7t.; Inkstands in Wood, Bronze, and Papler Maché, 6s. to 7t.; Papler Maché Work Tables, 6t. 10s. to 25t.; Tea Trays, 10s. to 34t. ner set. Work Tables, 6t. 10s. to 25t.; Tea Trays, 10s. to 34t. ner set. Envelope Cases, 6s. to 7t.; Inkstands in Wood, Bronze, and Papier Maché, 6s. to 7t.; Papier Maché Work Tables, 6t. los. to 2t.; Tea Trays, 10s. to 34t. per set; Work and Cake Baakets, 10s. to 4t.; Card Racks, 16s. to 3t.; Hand Screens, 10s. to 4t. 10s.; Pote Screens, 2t. 5s. to 4t. 10s.; Netting Boxes, Card Boxes, Ladies' Companisons in Part. Shell, Papier Maché and Leather; Ladies' Scent Cases and Toblet Bottles; Ladies' Card Cases, Chess Boards and Men; elegant Papier Maché Chess Tables; Gold and Silver Pencil Cases in every variety; good Tooth Brushes, 6d. each; Cases of Plated and Silver Dessert Knives and Forks; Sheffield Plate; splendid Table Cutlery; warranted Racons and Strops, 3s. 6d. each; Sporting Knives, and every description of Fancy Cutlery; with a variety of other articles, of which catalogues may be had graits. As Mechi manufactures extensively on his own premises, the quality of every article is warranted.

tures extensively on his own premises, the quality of every article is warranted.

OUGHS, ASTHMA, AND INCIPIENT CONSUMPTION are EFFECTUALLY CURED.—KEATINGS'S COUGH LOZENGES have been proved by long experience to be equally efficacious and powerful in those severer forms of pulmonic affections—asthma, incipient consumption, chronic bronchitis, aparto of pulmonic affections—asthma, incipient consumption, chronic bronchitis, aparto of the cough, hoarseness, difficulty of breathing, and irritation of the cannot be compared to the check, winter cough, hoarseness, difficulty of breathing, and irritation of the cannot be compared to the cough the cough, hoarseness, difficulty of breathing, and irritation of the cannot be compared to the cought to be held in the frightest esteem by public speckers, clergymen, and professional singers; but, perhaps, the high approval which is bestowed upon these lozenges by some of the most eminent of the faculty, is the best and most convincing guarantee of their safety, efficacy, and purity.—Prepared and sold in boxes, is, i.i.d., and tins, 2s, 9d. 4s, 6d., and 10s, 6d. each, by Thomas Keating, Chemist, 6c., No. 79, St. Paul's Churchyard, London. Sold retail by all druggists, and patent medicine vendors in the kingdom in the properties of the faculty, is the best and most convincing guarantee of their safety, efficacy, and purity.—Prepared and sold in boxes, is, i.i.d., and tins, 2s, 9d. 4s, 6d., and 10s, 6d. each, by Thomas Keating, Chemist, 6c., No. 79, St. Paul's Churchyard, London. Sold retail by all druggists, and patent medicine vendors in the kingdom in the compared to the compared to recommend them, and request you will not hesitate to make this letter public; so a valuable remedy cannot be too highly recommended.

JOHN HILL, Bat-

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